INTRODUCTION

WELCOME TO FOTOFUSION!

This manual provides an overview of the main features of FotoFusion. The software itself includes other tutorial materials:

Tutorial videos are found in the bottom right corner of the Create screen from the icon. Review these videos to see how various tools and techniques are applied to projects. **InfoTips** will appear when you hover over most controls in the software. These helpful hints explain how to use the tool.

We hope you enjoy using FotoFusion!

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INSTALLATION & ACTIVATION

System Requirements

PC: • Pentium 4 or faster • Operating Systems: Windows 8, Windows 7, Windows Vista, Windows XP SP3
Mac (v5 only): • Intel CPU required - 450 MHz or faster • X11 Required • Operating Systems: Apple OSX 10.8 (Mountain Lion), 10.7 (Lion), 10.6 (Snow Leopard), 10.5 (Leopard)
All: • Display resolution: Minimum 1024x768 • Free disk space: 100MB free disk space required, more recommended (downloaded content from the online marketplace / remote storage can consume a lot of space) • A working e-mail account for licensing information • Memory (minimum): Less than 100 page project: 1.5GB RAM, more than 100 page project: 2GB RAM, more than 200 page project: 3GB RAM. The more memory, the better! • Mouse: three buttons recommended • **Internet access:** Required for activation, recommended for use. Activation is easiest when online, although offline activation is available. Once activated, the software can run offline. High-speed internet access is strongly recommended. Online users have access to: Templates and other graphical content; Email and web

output; Help file; Instructional videos; Updates and upgrades.

Notes for IT Administrators: Firewall Configuration: FotoFusion communicates with *.lumapix.com, *.amazonaws.com and *.fotoscraps.com
• Port 80: For Marketplace Content • Port 21: For FTP upload to Publishers • Port 443: For Remote Storage • Binary transfer should be enabled
• Soap headers should not be filtered
Complete read/write permissions should be allowed to the following: • Windows Vista, 7,8: 'C:/ProgramData/LumaPix' • Windows XP: 'C:/Documents and Settings/All Users/Application Data/LumaPix' Requires Microsoft .NET Framework 2.0.
Network Administrators not using Remote Storage: FotoFusion does not embed images in a project. As such, for collaborative working we advise storing project files and all related images in a shared network location. The following is an example setup which can be used for schools or adapted for studios running FotoFusion::Extreme.
• Create an area on your network to store candid images, imported PSPA photos and project files. • Create an Active Directory group, for example Yearbook Users, which have read/write access to this folder. • Map this folder to a standard network drive, Y:/Yearbook. • Using a batch script, or otherwise, set this drive to be mapped at logon for Yearbook Users. • Advise your Yearbook committee that all project files, images and imported PSPA photos should be saved to this folder

Installing FotoFusion: FotoFusion Enhanced and Extreme users can install the software from the LumaPix website (both Mac & PC from the same link). Yearbook customers will receive a special link from their yearbook company to download the installer. Click on the installation file after it has downloaded to start the installer, and follow the instructions.

Activating FotoFusion: Activating your software will take the software out of trial mode. A user id (activation code) is provided to Enhanced & Extreme users after purchase; Yearbook users will receive a code from their publishers by email. Activation removes watermarks, gives you access to graphic resources associated with your license type, and allows users to share projects. In the case of YearbookFusion users, projects can now be saved and transferred from one machine to another. To activate FotoFusion, Select HELP -> Activate FotoFusion -> Activate Online Enter your UserID and create a password. FotoFusion will now restart to complete the activation.

Enhanced and Extreme licenses, as per the End User Agreement, are sold as "one user, one license," meaning the owner of the license can activate the software on a computer intended for their personal use. eg. a laptop and a desktop. Licenses do not expire, and can be reinstalled for maintenance or new computers as required.

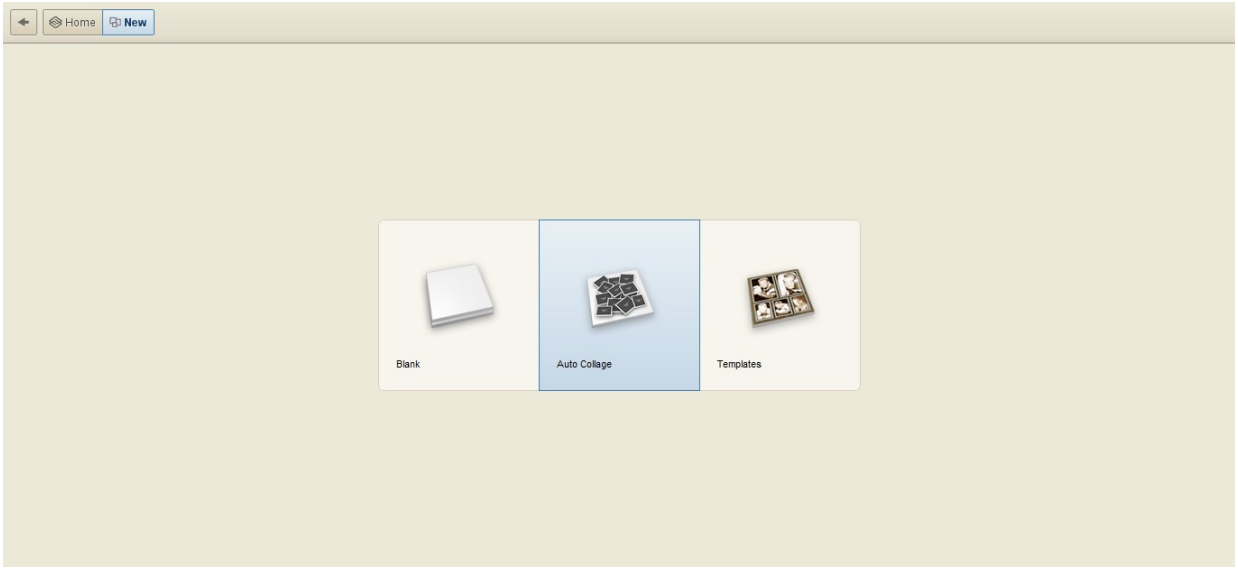
YearbookFusion licenses can be installed on up to 40 computers simultaneously. YearbookFusion licenses are 1-year expiring licenses, with the expiration countdown started when the license was allocated by your yearbook publishing company.

GETTING STARTED

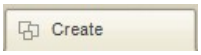
The Start tab is a portal to starting new projects, accessing saved work, information about FotoFusion, and accessing templates.

NEW PROJECT: Choose **New** to start a fresh project from scratch. Depending on your license type, the list of options will change.
• Click on Blank to select a page size for a new empty project
• Click on AutoCollage to open the AutoCollage wizard, which will allow to you make automatic layouts of

your selected images.
- Click on Templates to view premade layouts on the LumaPix Marketplace.

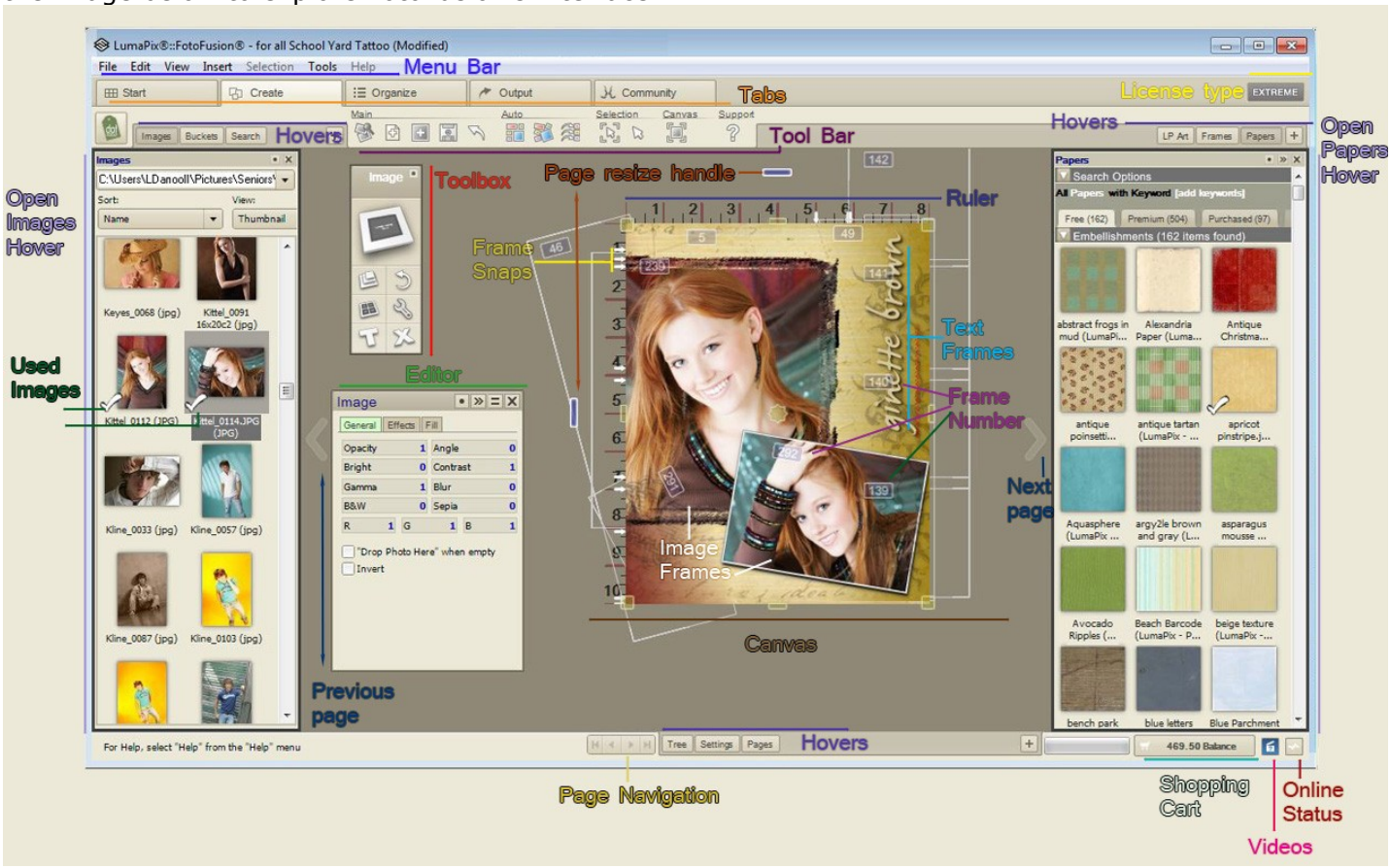


Regardless of the option selected, you have the ability to alter page sizes and frame positions to suit your needs. YearbookFusion users will often be limited to the preset album sizes provided by their Yearbook publisher; Enhanced and Extreme users will select a custom size, or pick a preset size.Page sizes and product types can be changed from the Canvas Setting window; the entire project will resize automatically.

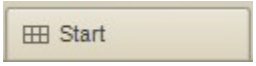
The Create Tab: FotoFusion's main workspace is located under the 

tab. Click on

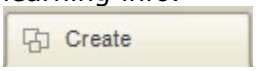
the image below to explore FotoFusion's interface.



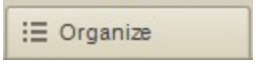
Tabs run across the top the screen. Click on one to toggle between functions.



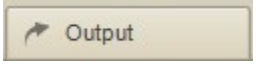
launches a new project, loads an existing project, shows templates and accesses learning info.



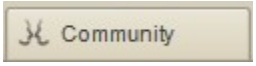
is the editing screen, where you work on your projects.



previews, searches, sorts, and keywords your images and projects, and, for YearbookFusion users, manages your PSPA database images.

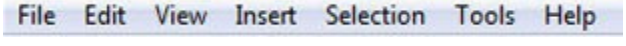


renders your project to file (eg. jpg), uploads your projects to your website or as a web album, emails it, or prints it on a local printer. Some YearbookFusion users may not have this feature.



launches an internet browser window, giving you access to galleries, support, and other LumaPix-related websites. Some YearbookFusion users may not have this feature.

The Menu Bar contains every feature available in FotoFusion. Almost all controls available in the Menu are available by directly selecting (left and right-mouse click) items on your canvas or by using keyboard shortcuts.



In general:

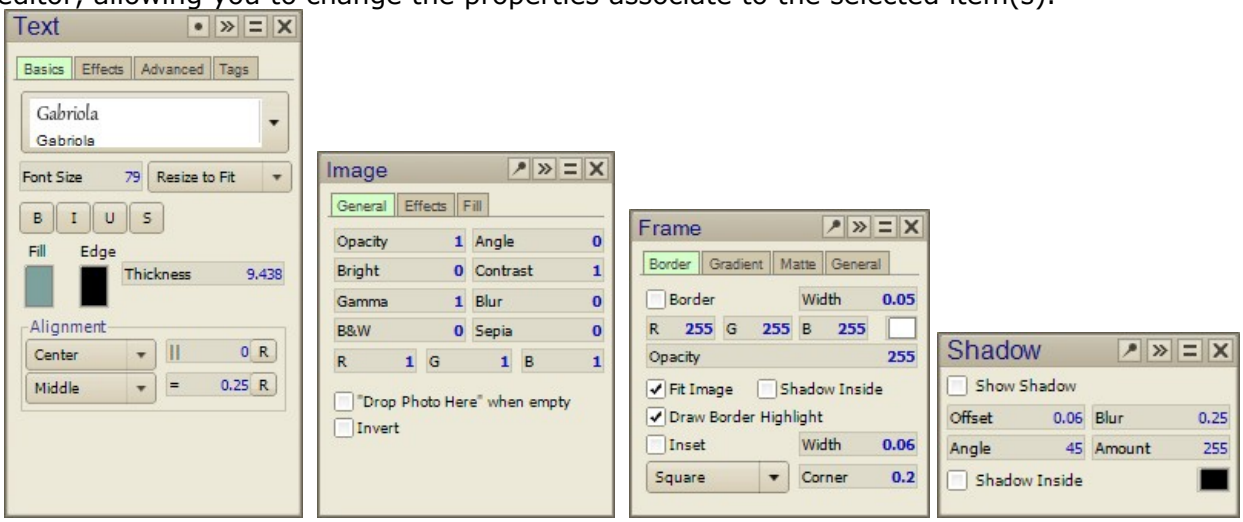
- **File** includes options to save, load, close and output your file. Mac users will use the **FotoFusion** menu item to quit the software.
- **Edit** allows you to copy/cut/paste/duplicate/delete selected items, undo/redo, and set up user preferences.
- **View** lets you control the way your screen will look (zooming, panning, grid lines, etc.)
- **Insert** contains options to add items to your project (image frame, text frame, new page, etc.)
- **Selection** pertains to the selection of items on your canvas, and the order they are stacked on the canvas.
- **Tools** offers the entire set of AutoTools (autocollage, autopopulate...) and actions that can be applied to particular types of items on your canvas, such as the canvas background, the frame properties, and text items.
- **Help** links to you the User's manual, and learning preferences, and licensing information. Mac users will use the **FotoFusion** menu item to access licensing information

The **Tool Box** appears whenever you click on text and image frames (including the canvas background).
Toolboxes are interactive. Click on the top icon and drag your mouse to change frame properties, border width, and image brightness/contrast. Click down on any icon to access editors, which will display a full range of controls. Hover over individual icons to see an info-tip explaining what editor will be launched.

If you do not wish to use the tool box, click on Settings to see all editors associated with the currently selected item.

Editors assign attributes to your frames. Clicking on parts of the toolbox will open the associated

editor, allowing you to change the properties associate to the selected item(s).

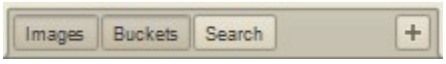


Editors have **default** settings. For instance, image frames, by default, have a thin white border around them. To change the default, select a single images frame, change the border (eg turn it off, change the width and color, etc.) then click on the » button at the top of the editor. To create a new permanent default chose Save settings as default for all new frames; to temporarily set a default until a new attribute is added, chose Update default for new frames automatically. You can also create a named preset, to create your own gallery of presets.

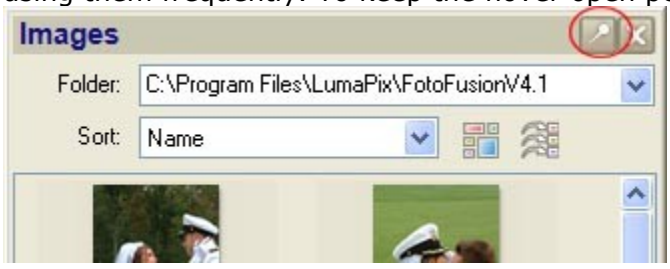
The = button will apply the current editor settings to all like-type frames on your canvas; hold the Ctrl-button to apply the current editor settings to all like-type frames across a multipage project.

Use the button to pin the editor, so it remains opened in the same location.

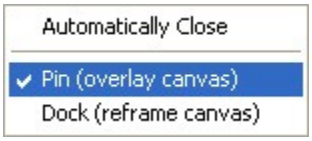
Hovers allow preview graphic content. Hover buttons are located in the hover docks in three different zones on the Create screen. Hovers can be manually dragged from one hover dock to another, or dropped on the area outside the canvas. Click the + symbol on your hover dock to move or turn hovers on/off.



Hovers are designed by default to open briefly, allowing you to perform a desired editing task, then close immediately. You can choose to keep the hover editors open for an extended period of time, if you will be using them frequently. To keep the hover open permanently, click on the pin icon at the top of the editor.

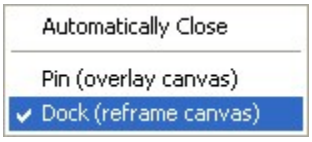


The icon indicates that the hover will automatically close when you are not hovered over it. A **pinned hover** does not affect the position of your canvas, and can



overlap onto the canvas workspace.

The icon indicates that the hover will remain opened on your canvas - it docks the hover. A **docked hover** will reposition the canvas alongside the open hover.



Switch the hover back to "automatically close" to return it to a single button, or click to close.

Resizing thumbnail images within a hover: Hovers display graphic content in a mini-view, called a thumbnail view. The thumbnails within the hover can be made larger or smaller. Click on the interior portion of an opened hover (try a few pixels off the scroll bar); hold Ctrl (or Cmd on a Mac) on your keyboard, and use your mouse wheel (or use the up/down arrows on your keyboard) to increase or decrease the size of the thumbnail view.

FILE & PROJECT MANAGEMENT

This section will teach you how to save your projects, save work as a template, and open a saved project or template.
Learn how to archive project to transfer them to another computer and to delete projects.
You should learn how your photos work in FotoFusion differently than in digital photo editing software, and how to avoid missing images warnings (and how to fix them if they happen). Last, password protection is detailed below.

If you are an inexperienced computer user, please consult the next section to learn more about basic file management on your computer. An understanding of how your computer works with files will save you hours of frustration and let you focus on the creative aspects of your projects.

To learn how to send completed projects outside of FotoFusion, consult The Output Tab section.

Saving Your Projects:

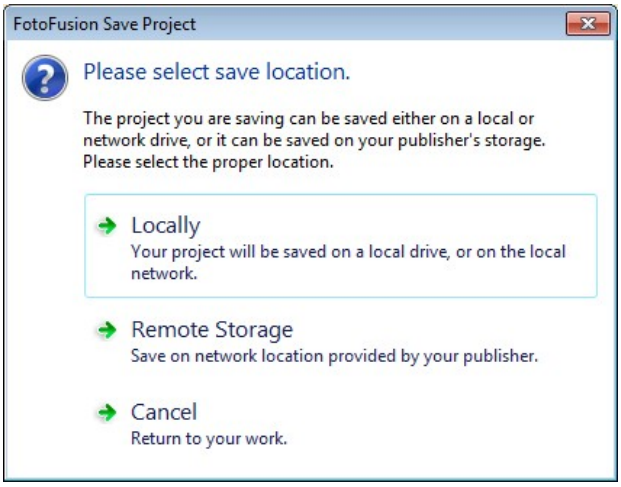
- Select "Save" from the Tool Bar, or press Ctrl-S on your keyboard, or go to the top menu, under FILE and select SAVE.
- Create a file name.
- Point to a directory folder of your choice, or make a new subdirectory.
- Save the file. The project will be saved as a **.scrap file** format, which allows you to reopen the project in an editable format.

Use **File > 'Save As'** to save a **copy** of an updated project under a new name. For example, if you edit a previously-saved project and wish to keep both the original and the new version. Save As will not allow you to overwrite an existing file.

Project versioning is available, should you accidentally overwrite a project or need to roll in back to a previous save. Right-mouse select the project within File > Open to Open a Previous Version.

YearbookFusion users may have the option to save to **Remote storage** (if a license has been provided by your yearbook publishing company). A remote storage license allows you to save "to the cloud" - to the LumaPix server. This feature enables file sharing within FotoFusion without dependence on a local network storage. For instance, members of a yearbook committee can work from home, in the school or at any location with wifi access, sharing project files from their folder on the server. (Remote storage is currently unavailable to non-YearbookFusion licensees.)

If both local and remote storage are available to you, you will see the following options when you save or load a project:

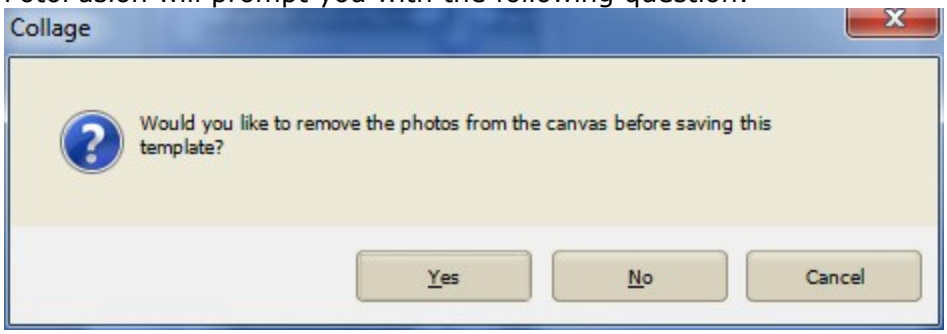

FotoFusion Save Project
Please select save location.
The project you are saving can be saved either on a local or network drive, or it can be saved on your publisher's storage. Please select the proper location.
Locally
Your project will be saved on a local drive, or on the local network.
Remote Storage
Save on network location provided by your publisher.
Cancel
Return to your work.

To save to your local drive, a local network or an external storage device, choose **Locally**.

To save to a shared space on the LumaPix network storage server, choose **Remote Storage**. Anyone activated with your YearbookFusion user id will be able to see the project (and your yearbook printing company as well). No other user group or users on unactivated software cannot access your files.

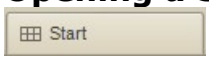
You can make subfolders (right-mouse select inside the preview area) to organize your project into sections.

Save as a Template: FotoFusion allows you to save projects as a template, to re-use with new images. If you have completed a project you wish to reuse later, then choose Save as Template. FotoFusion will prompt you with the following question:



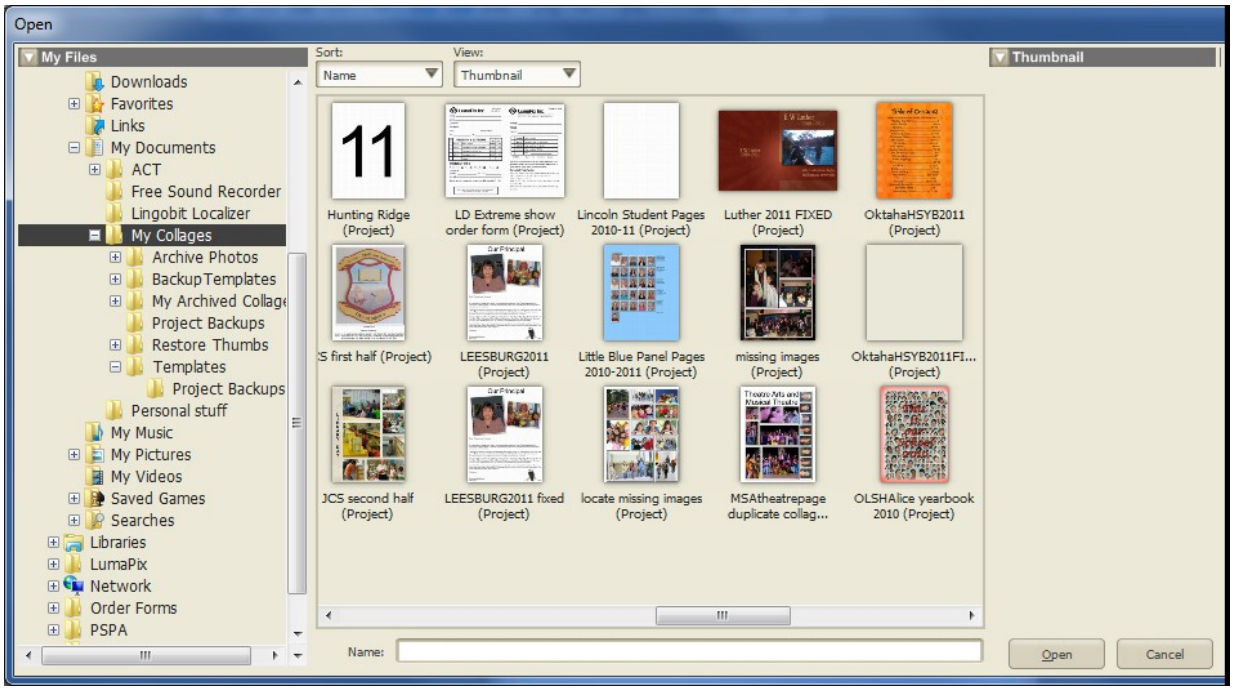
Choose **Yes** to strip out the photos from your project - this includes background images. Clipart (eg. png files) will be retained. Choose **No** to save the project as it. Tip: If you have used a lot of paper-type textures, remove your candid (custom) images manually from the image frames, then save the project without removing the images. Templates can also be made from a single page within a multipage project, by right-mouse selecting the image within the Pages hover.

Opening a Saved Project or Template: To load an existing project, click on the



tab to Open existing projects; OR click on FILE on the menu bar and select OPEN; OR p ress Ctrl-O on your keyboard. You can also click on File on the menu to see a list of recently opened projects at the bottom of the menu list.

Your computer's folder system is located to the left; you can navigate to any subdirectory on your system to locate .scrap or .collage files on your system. The Sort and View options allow you to customize the preview display.



FotoFusion files are, by default, saved under My Projects (or My Collages); templates are under the Template folder.

Note: Two people cannot work on the same file at the same time. Individual projects can be combined via the Pages hover. If another user is working on a project, the project will show that it has been locked for editing. (Exception: two projects both containing yearbook panel databases.)

On rare occasion, the lock may be present even if the project is not opened. This is usually the result of the project improperly shutting down on the last session - for example, the computer or the software shut down unexpectedly (eg. power outage), or your network server didn't pass the signal to unlock the project correctly.
If you are 100% positive no one has the project open, you can remove the lock. ***Never unlock a project that is in active use by another user, as you risk data loss to your project.*** If you are sure that the project is not being worked on by another user, the lock can be removed by simply right-clicking the project and selecting Unlock Project.

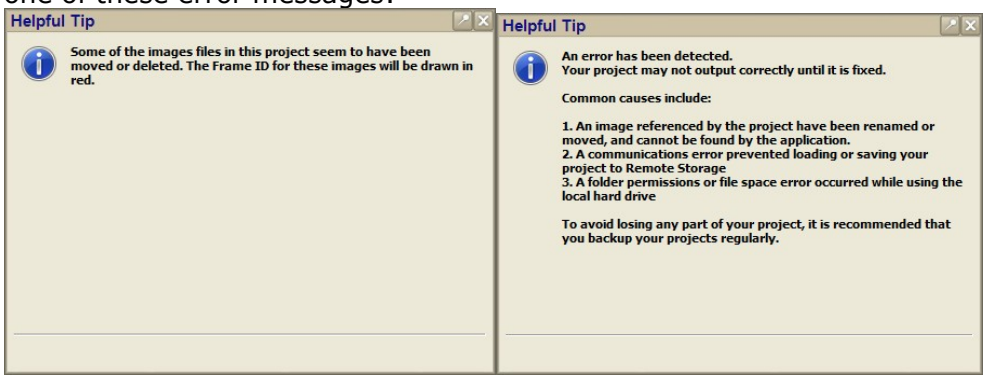
Archiving to Transfer Projects to Another Computer: A .scrap project file is a "composition" - a recipe used to recreate your layout. Your images are not attached or embedded into the project, but linked to the project from the local folder where they are stored. If you try to open a .scrap file that has been moved from one machine to another, the new computer will not "see" the images in the project, and report the images missing (see below for details). An archive bundles the project and the source images into one file, so it can be transferred to another computer. This is useful if you don't have remote store or a shared network to store your work on.

To archive, click on FILE on the menu then choose ARCHIVE/RESTORE, then Archive the file. This will create a much larger file, called a .scrappackage, on your system. Make a note of the directory where the .scrappackage file is saved, so you can move the file to an external memory device to transfer it. Move the file to the new computer, then from a blank project choose FILE > ARCHIVE/RESTORE > Restore. Point to the .scrappackage file. The project will then reopen, prompting you to save the project and the source images onto the new machine.

Deleting Projects: Projects saved locally (your hard drive, an external drive, a local network drive) can be deleted. In File > Open, right-mouse select any project thumbnail, to SEND TO RECYCLE BIN. As described, the projects are now in your system Recycle/Trash bin. If you made a mistake and need to restore them, you can do so from the Recycle/Trash bin itself, if you haven't emptied it yet.
Remote storage projects (YearbookFusion only) can be recycled from File > Open in the same manner, but are sent to the Remote storage trash bin. If you accidentally deleted a project, contact support(a) lumapix.com to request that the project be restored. Provide your user id (or school name), your yearbook publishing company's name, the name of the project(s) and the approximate date/time they were deleted.

How Images Work in FotoFusion (linking vs embedding): FotoFusion is layout software - not graphic editing software. As such, it does not embed your images directly into your project. When you drop an image onto your FotoFusion canvas, you are looking at an enhanced thumbnail version of the image, which is linked to the original image file. Because of this feature, it also allows you to change the resolution of the finished project at will (eg. make a low-resolution proof and a high-resolution final render), and is non-destructive to your source images. Keep in mind that your images need to stay in the same place, with the same name, for the duration of the project. If you rename or move your images after they have been dropped, or relaunch a project with images pointing to an external memory device that is not available, your project will report them as missing.

Missing Images: If FotoFusion opens a project and reports that images are missing, you will see one of these error messages:

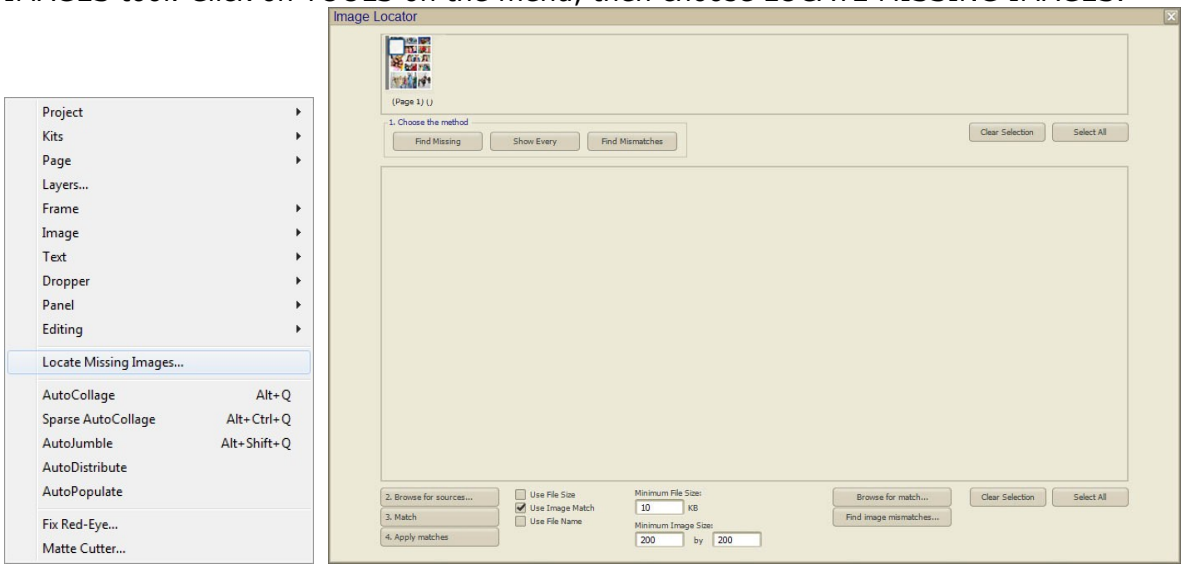


Common causes for the Missing Images Warning are...
- The image files being renamed, moved or deleted.

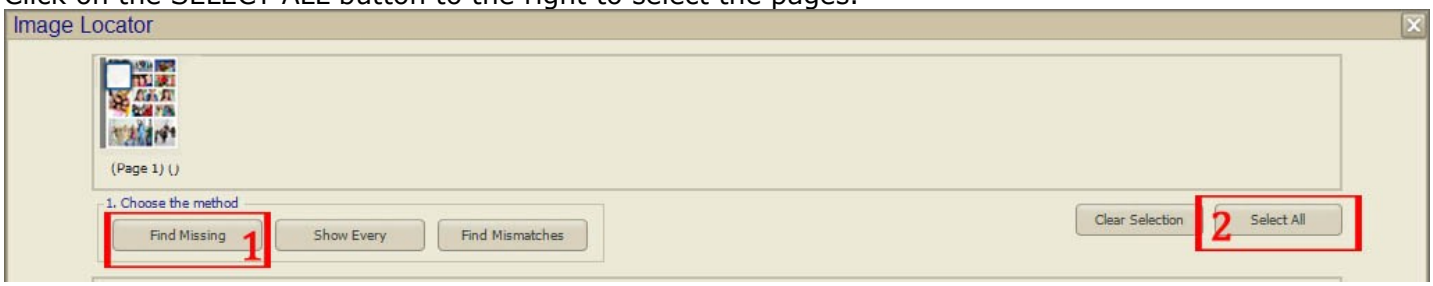
- The folders containing the source images were renamed or moved.
- The external memory device (USB key, cd/dvd) was removed from the computer.
- The project file (.scrap) was created on one computer, which accessed images on the local drive of that computer, but you are opening the .scrap file on a new computer that does not have access to the images in the same location.

If your project is saved on remote storage (YearbookFusion only), the missing image warning may caused by images still in the process of downloading to your local system. Click on the Output tab to trigger a download progress bar to see if there are still images that need to load on your machine.

To relink images that have been moved or renamed from a local source, use the LOCATE MISSING IMAGES tool. Click on TOOLS on the menu, then choose LOCATE MISSING IMAGES.

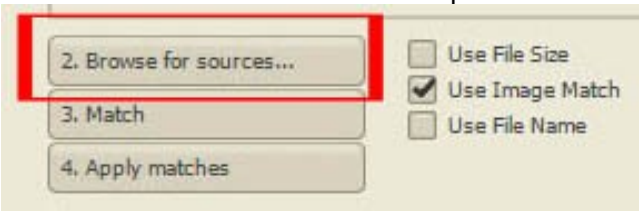


Under 1. Choose the method, click on FIND MISSING. Any page containing missing images will appear in thumbnail.
Click on the SELECT ALL button to the right to select the pages.



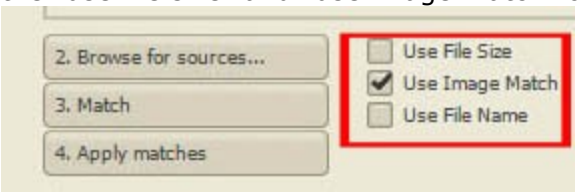
All missing images will be displayed in the 2nd panel, with a "no match" next to them.

Click on 2. Browse for sources to point to the folder where the missing images are located.



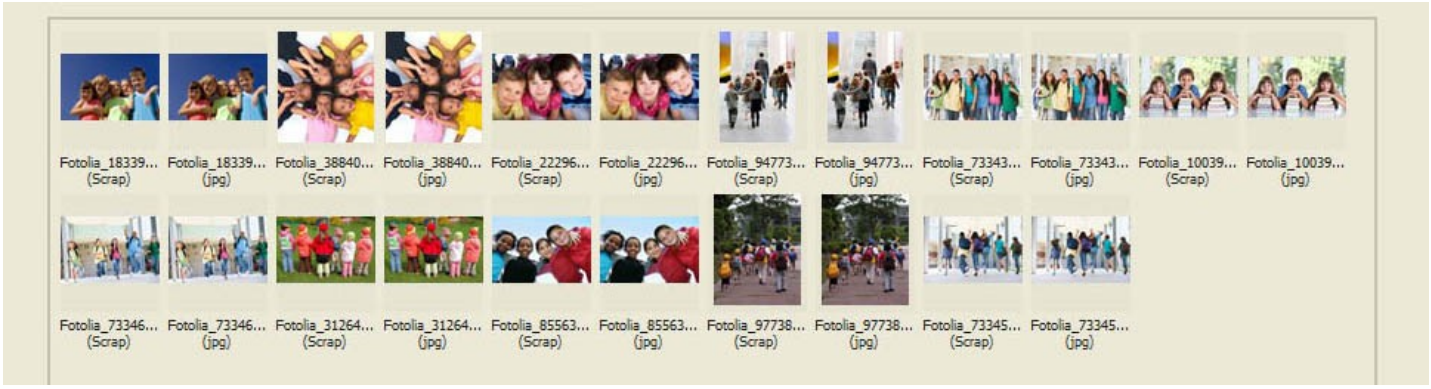
A file browse window will appear - you need to navigate to the folder containing the images. If there are multiple folders, you'll need to repeat the steps from this point after matching some of the images. When you have selected the folder, click on the 2nd Select all button, at the bottom, to choose all the images in the preview panel.

Before matching the images, decide the best criteria for searching for the images. If the file names have not changed, then check off the "use file name" box. If the file names have been changed, then turn on the "use file size" and "use image match" options.

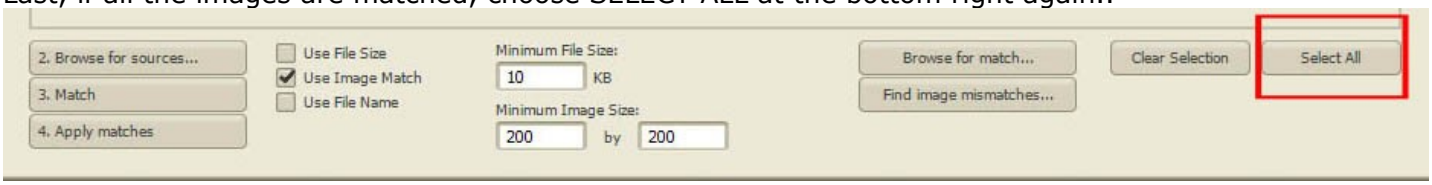


Click on *3. Match*. FotoFusion will attempt to find matching images for the thumbnails.

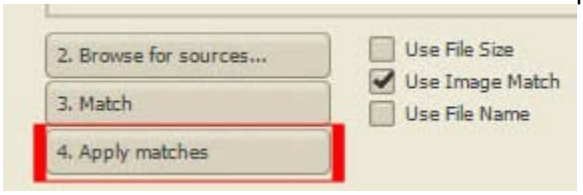
If matches are found, you will see two versions of the images next to each other. In this case, all images found a match.



Last, if all the images are matched, choose SELECT ALL at the bottom right again..



If there are images that are improperly matched (the wrong "twin" image appears next to it), then ensure that the checkmarks next to the improper matches are removed. Last, click on *4. Apply Matches*.



All matched images will vanish from the preview pane. Any remaining unmatched images will remain - you can restart at 2. Browse for sources to try to locate the images in another folder.

Finding "Lost" Projects: If you cannot locate a FotoFusion project file, you can use Windows Explorer or Mac Finder to locate your file. Search your computer for FotoFusion file extensions (.scrap). If external drives are being used for storage, the process will need to be repeated for each drive. Generally, all projects made on your computer will appear in the FotoFusion File > Open window if you navigate to the correct folder.

Password Protection: To enable password protection, open your project, and click on the FILE menu items, then choose Project Management > Password protect. Type in a password and password reminder of your choice to turn this feature on, then save the project.

BASIC FILE MANAGEMENT

Every computer has an operating system installed on your computer -- be it Windows or Mac OS X. An operating system is the master program on your computer that tells the computer what to do with the other files installed on your computer. Some files on your computer will launch software; other files will help software perform particular tasks; other files will store data, such as your projects.

Your operating system is essentially a very smart filing cabinet. However, like any filing cabinet, you need to make sure to keep it organized tools. Files don't automatically save to your computer in an organized manner. You choose to save them to particular locations, either by deliberately creating and selecting folders, or by allowing your installed software to suggest a location, such as a default folder, or the last visited folder. Allowing a program to save to a default folder is a decision you can make, but always be aware of where your files are being saved, or you will quickly lose track of your important projects.

One common mistake is to use the computer's desktop or a single folder as a catch-all for all your files. This can lead to confusion very quickly - it's as if you have one folder in your entire filing cabinet that holds every document you own. To keep things organized, use folders to help you find projects and images in easy-to-find locations with a clear naming structure.

Another mistake is to reuse the same file names repeatedly.

- **Save As vs Save**: If you are simply updating a project file, choose "Save" from the file menu. "Save as" is intended to be use to make a new copy while retaining the original file. FotoFusion has disabled the ability to overwrite files with "Save As..." for this reason. Having multiple copies of a project often leads to version control problems, meaning you will have problems finding the most up-to-date version of the file.
- **Version control:** Don't keep multiple versions of the same file in different locations. Work off one main file, and keep a backup if needed that can be updated separately.
- **Distinctive names:** Don't rename your image files with duplicate names, eg: renaming images files starting at 001.jpg every time you clear your camera's memory card. Most digital cameras have a setting that never resets the file name after each time the camera card it cleared. Multiple files with the same name will be very difficult to manage. You can accidentally overwrite files, and searching for the images becomes confusing. If you choose to rename your image files when you download, name the files in a manner that distinguish them from one another, such as using the date the images were taken and/or a brief description of the event eg. 2011-05-08 Grandma's bday (01).jpg or Smith-Jones wedding 001.jpg. There will be no confusion which images are which if each set have their own distinct name.

Here are two suggested methods to ensure your computer filing system is easy to use:

A) Use Default folders

- all photos are kept in one location (eg. My Photos). You can sort the images by date to quickly find images.
- all FotoFusion project files (.scrap) and ONLY this type of file are kept in the FotoFusion My Collages/My Projects folder. You will know exactly where all your projects are by following this practice.
- all exported (rendered) projects (eg. rendered to .jpg or other file types) are kept in My Pictures\My Exported Collages. This will avoid confusion with the FotoFusion .scrap project files, so you don't accidentally try to send a .scrap file to a friend or a printing service.

or **B) Use Project-based folders**

Create folders for each specific event or project. For instance, create a folder named "Smith-Jones Wedding." Into this folder, place all the source images (.jpgs), the FotoFusion project files (.scrap), and the exported project pages. Ideally, these should not have the same name as the FotoFusion .scrap file, to avoid confusion

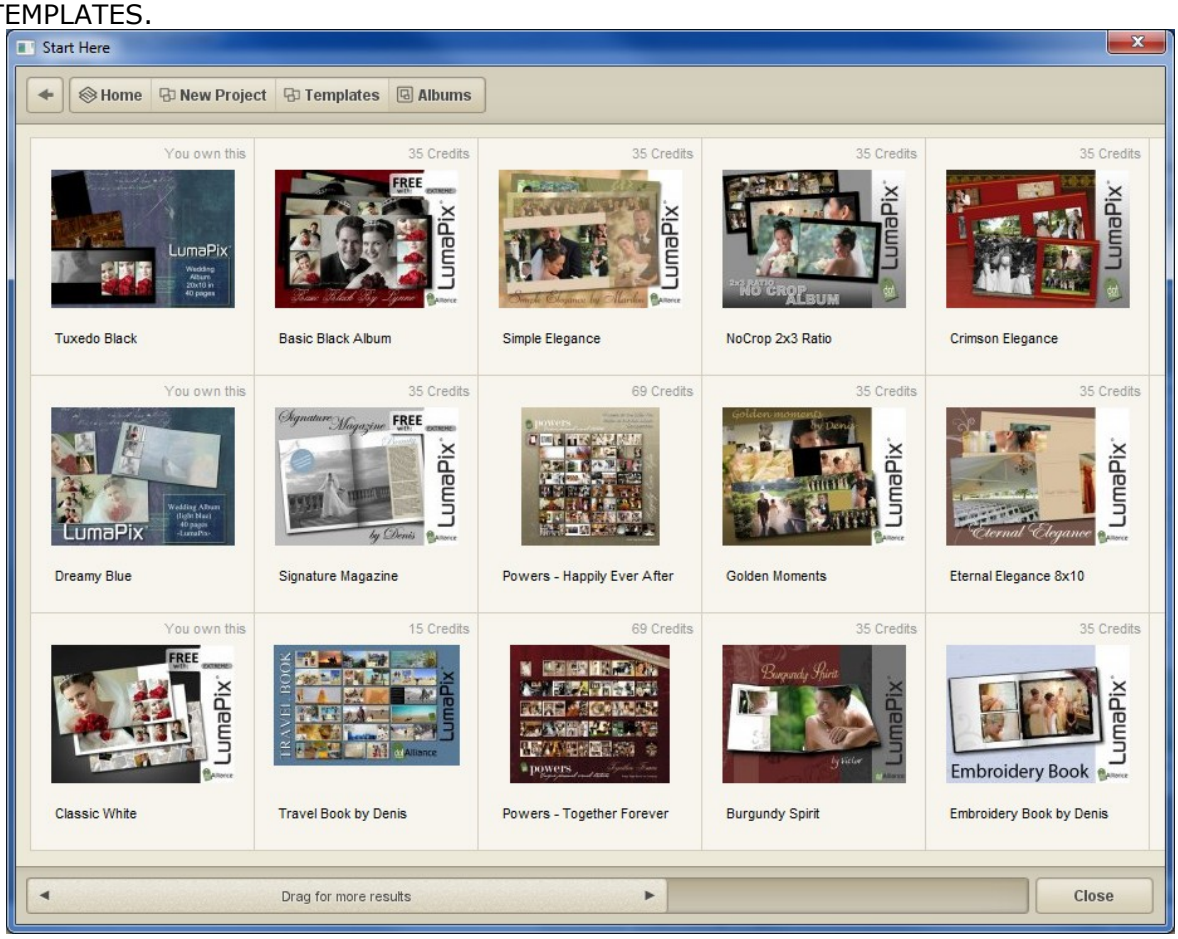
If you want to back up your images and projects, then make a copy of the folder where the files are

stored onto an external memory device.

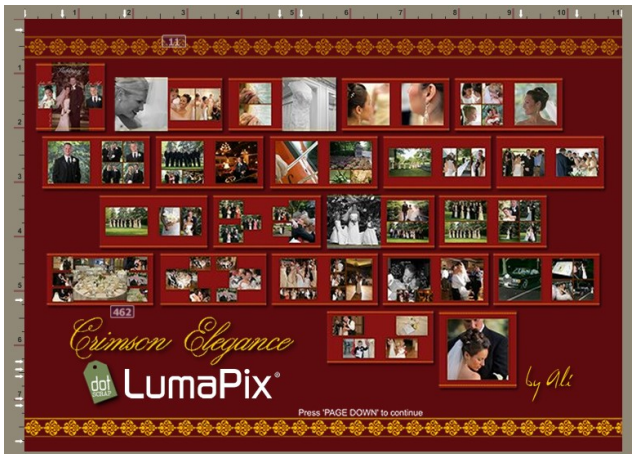
ALBUM MANAGEMENT (Extreme users)

FotoFusion can shave off hours and hours of work hours to produce top quality pro-albums.
There are three ways you can use FotoFusion to create a multi-page album.
1. ***Design by template***: use the Marketplace templates, or your own custom set of templates to quickly populate an album.
2. ***The Autocollage Album:*** create a sorted multi-page album in seconds, ready for customization.
3. ***The "From Scratch" Approach:*** Design original albums one page at a time.

Method 1: Design by template: The dotScrap Marketplace provides a resource for pro-album designs.
Extreme users receive a collection of six designed albums with their license. Free albums include Tuxedo Black, Basic Black, Classic White, Embroidery, Signature Magazine and Dreamy Blue. Other albums are available for purchase from the Marketplace.
To view the available album collection, go to Start Zone, choose New Project, and select ALBUM TEMPLATES.

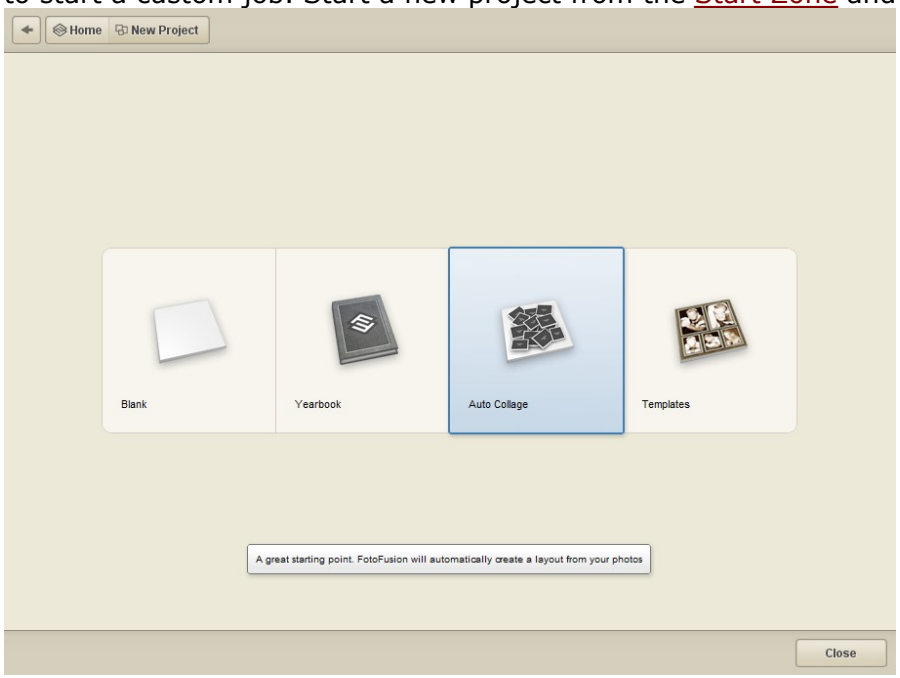


When an album is launched on the Create screen, the first page displayed is a cover sheet. This page is not editable - it is the "wrapper" for the album, to show you the component pages. You can delete this from the Pages hover.



Extreme users can customize the albums: change canvas size, reorder the pages, add or remove frames, change border options, retint the background, delete, clone or add new pages. Enhanced users can add their own images and text, and render the projects as is. Albums can be purchased by launching them on the Create screen, then clicking on the Shopping Cart. Once purchased, the albums will be added to your permanent collection for repeated use.

Method 2: The AutoCollage Album: The AutoCollage Album method provides a very quick way to start a custom job. Start a new project from the Start Zone and choose the Autocollage option.



Run through the AutoCollage Wizard. Select as many (or all) images in your event, and add them to the dropper. On the Creative Options tab, be sure to specify the following:

- Multi-page: Set the IMAGES PER PAGE option to the total number of pages you will require in your album, *minus the front and back pages.*
- Timeline/Sorting: Sort by EXIF Date/Time. Providing that the date & time on your cameras are set correctly, this will order the wedding to the flow of the event.

On the Canvas Size Options tab, set your page size (eg. a 10x10 album will be 10x20) and set the page to ALBUM TWO-PAGE SPREAD.

You may wish to Respect Center Line (so no image straddles the gutter) and add Safe or Bleeds. You can also use the Album Manufacturer Presets (click on the arrow next to the page dimensions).

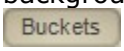
Hit OK to generate your fully populated album in seconds, with the images flowing across the pages in order of the event.

Method 3: The "From Scratch" Approach

1) Organize your images Open the organizer, and navigate to your images using the Source tab. Select the images that you wish to use, and assign them into buckets. Assign categories and/or keywords to your images. This will allow you to easily find them again if you need to edit your album at a later time. *Example:* The Smith-Brown wedding has been downloaded to C:\My Pictures\June 2007 jobs\SmithBrown.

In Organize, click on this folder to display all the images, and display them according to Photo Date. Select ALL of the images, and assign them a keyword of Smith Brown. Then select some of the images and drop them according to the event/theme into the buckets.

For Example: Bucket 1: bridal party preparation; Bucket 2: the groom's men at the church, greeting guests; Bucket 3: the bride's arrival and entry into the church; Bucket 4: wedding ceremony; Bucket 5: the bride & groom's departure from the church; Bucket 6: the formal shots of the wedding party outside the country club; Bucket 7: the dinner, including candid shots of the guests and the cake cutting; Bucket 8: the dance and bouquet toss..

Create your album: Create new pages, and change the background, be it a texture, or change the background color. You can also use images from the wedding as a background image. Click on the 

hover button to access your pre-sorted images and add them to your canvas. Add text, downloaded graphic embellishments.

Next Steps...

- Save your work.
- Create a proof for the client.

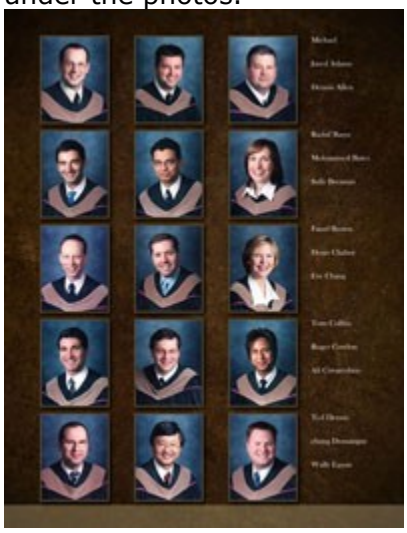
You may wish to consider using Overlay Image Info image info to the project, to show the file name or frame number. You may also wish to watermark your project.

- Edit your project. When the client returns feedback, reopen your album and make the requested changes. Swap images quickly from one frame to another. Replace images entirely by searching through your keywords and categories to find the series of images you need.
- Send your project to the printers. Render your work at 300 dpi (or as instructed by your printer of choice) and send the files to them in their prescribed manner. Note that you can produce alternative sizes of the album through the Project Settings.
- Relax, the job is done! (or go shoot an extra job with all the time you've saved...)

YEARBOOK PROJECT MANAGEMENT

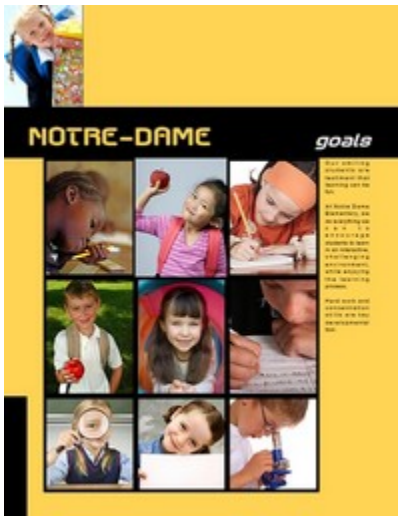
What is a Yearbook? Yearbooks (and directories) are usually composed of two kinds of pages: panel pages and candid pages.
Panel pages are what makes a yearbook different from a regular photo book, and are only enabled by using a YearbookFusion license provided by a yearbook publishing company. *(Yearbook features are not available with Enhanced and Extreme licenses.)*

A **panel page** is the standard presentation style for portraits. It consists of a grid displaying portraits, with names next to or under the photos.



YearbookFusion allows you to automate the production of the panel pages by importing the images with a database. You can customize the panels and make changes to the data.

A **candid page** resembles a scrapbook or photo book, contains custom text and informal photos of people and events.



Candid pages can be created from scratch by dropping and dragging images and graphics onto the page, or by using customizable templates.

Complete details on creating Yearbook panels can be found in the YearbookFusion: Panel Pages chapter of this manual.

Managing Your Yearbook Project: The key to a successful yearbook project is organization - of your team members and your photos. A yearbook can be created by a single individual on one computer, or by a group of people working in a shared computer lab, or by a group of people working in various locations, from home, at work, and at school.

Regardless of the number of people working on the book, one person should be appointed the yearbook manager.
The yearbook manager will:

- act as the primary contact between the school and yearbook company;
- determine page order/sections;
- assign tasks to committee members (photography, page design, proof-reading, etc.);
- determine where images and project files will be saved and how they will be exchanged among committee members;
- set deadlines to submit work;
- assemble the finished book into a single master project;
- submit the book to the yearbook publisher.

The yearbook manager will often create the panel pages as well, as s/he is the manager of the final assembled book. It is recommended to have a "panel specialist" to streamline the process of making panel pages.

Each team member may have one or more sections assigned to them, with an expected page count for each section. This is particularly important if the yearbook is limited to a specific number of pages by the

publisher. *Note: if the publisher has set a target page count, you will see it displayed in the bottom of the Create screen, warning if you are over or under your page count limit.*

The members of the committee can all work on separate mini-projects, saved under separate file names. These projects can be sent to the yearbook manager. The yearbook manager will be able to insert the smaller projects into the final project (the one containing the panel pages), and order the pages accordingly.

A project map helps immensely - your book needs a plan in order to get it done. Here is sample grid of how a yearbook project might be managed. Design your own grid to suit your yearbook team and work flow.

Chapter	Page count	Assigned to	Image source:	Due by	Rec'd/Ap'd
Panels (master project)	to be determined	Pam	PSPA cd	Feb 15/10	Pam
Admin greeting (principal, vp, etc)	2	Jess	D:\Lincoln Net\Ybk\Candids\Staff	Feb 15/10	Pam
Sports (football, baseball, track, cheer, other)	6	Nicole	Gallery > Sports	Apr 4/10	
Lunch/Cafeteria	1	Jesse	D:\Lincoln Net\Ybk\Candids\candids gen\school life	Apr 4/10	
Fundraisers (book fair, bake sale)	2	Jesse	D:\Lincoln Net\Ybk\Candids\candids gen	Apr 4/10	
Performances (fall prod, winter, glee, jazz band)	4	Katarina	Gallery > Dropbox > From Kat	Apr 4/10	
Halloween	1	Mario	D:\Lincoln Net\Ybk\Candids\candids gen and Gallery>Halloween	Feb 15/10	Pam
Prom	2	Mario	Gallery > Dropbox > Prom	May 1/10	
Ad pages	6	Pam	D:\Lincoln Net\Ybk\Candids\ads and logos	May 1/10	

Saving & Sharing Projects: To save a project in FotoFusion, simply click on FILE on the menu, point to the folder where you want to save the file, then choose SAVE (or choose Ctrl-S). If you need to make **a copy** of a revised page, but want to keep the original project, then choose SAVE AS... choose your folder, and give the file a new name. Do NOT use SAVE AS to update a file - it will only allow you to make a copy, leading to a cluttered drive with multiple versions of a single project.

*Note: if you have a **Book manager** license, consult the next section to learn how you can edit projects online.*

Projects can be shared in several ways:

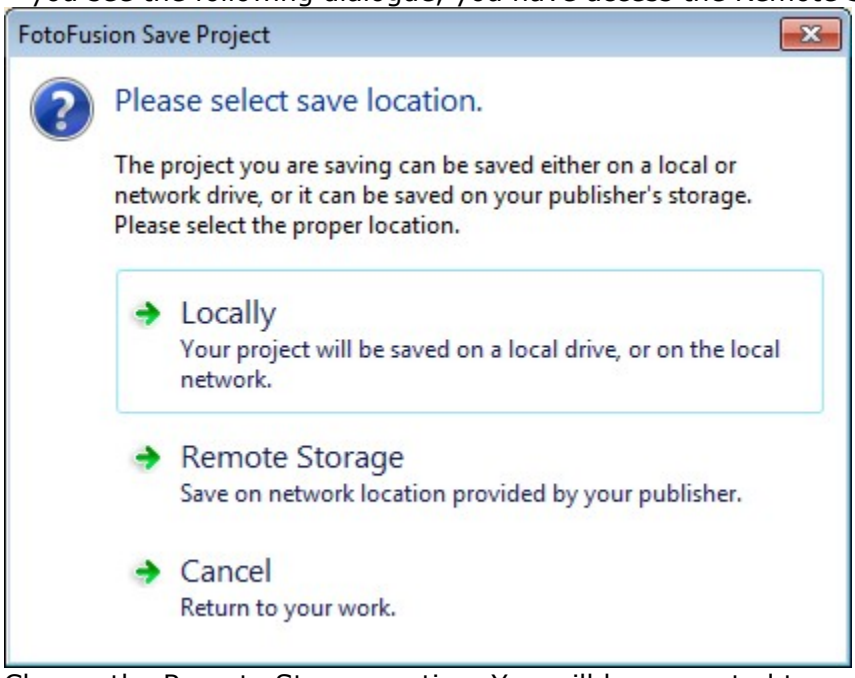
- If your team is working in a computer lab, you may find that working off a shared network drive works best. All users will save their projects **and images** to a shared directory. It is important that every computer accessing a common folder see the same drive letter - meaning, if Computer 1 sees a network drive called Y:, Computer 2, 3, 4 etc. also sees this same drive as Y:, and not another letter. This is important because FotoFusion will trace the images dropped into the project back to their original location, and the project needs to find the images in exactly the same place all the time, or it will report that the images are missing.

- If your team is working from various locations (home, school, library, internet cafe, etc.) without a network or remote storage, projects will be saved to the local hard disk of each computer. To transfer the projects to the project manager for inclusion in the master project, each user can archive their project(s). An archive creates a .scrappackage file, which contains all the source images and project "recipe."

  To archive a project, launch it, choose FILE on the menu, then choose ARCHIVE/RESTORE > Archive for Public Use. Copy the resulting scrappackage file to your external memory device. This file can be sent to another user via a usb key, dvd, or other memory device to give to the yearbook manager.

The yearbook manager can restore the archive file, and insert the resulting project into a master project. To restore an archive, choose FILE on the menu, choose ARCHIVE/RESTORE > Restore. Point to the .scrappackage archive. FotoFusion will deposit the images into a folder of your choice, and reopen the project. It can then be saved locally, then inserted into the master project through the Pages hover "Insert Project" option.

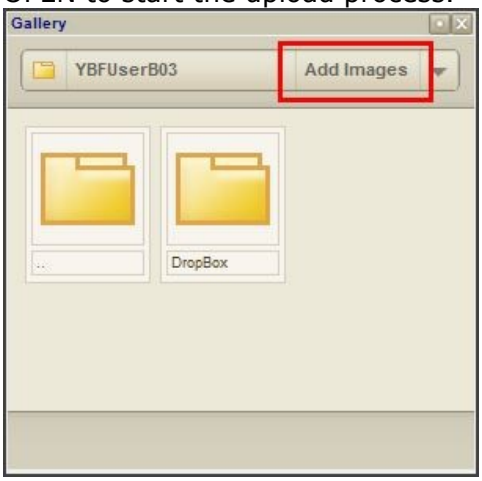
- If your publisher has provided your school with **Remote Storage**, you will have the option to save projects and images to a LumaPix server. All users with a high speed internet connection, regardless of physical location, can save their projects to this shared server storage space. Remote storage will allow you to make and delete folders, and rename and delete projects. Choose File > Save or Save As... If you see the following dialogue, you have access the Remote Storage server.

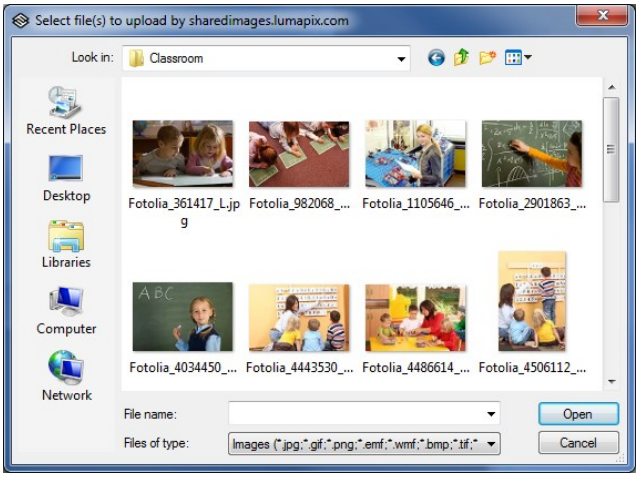

FotoFusion Save Project
Please select save location.
The project you are saving can be saved either on a local or network drive, or it can be saved on your publisher's storage. Please select the proper location.
Locally
Your project will be saved on a local drive, or on the local network.
Remote Storage
Save on network location provided by your publisher.
Cancel
Return to your work.

Choose the Remote Storage option. You will be prompted to create a nickname - this is used to identify the person who made the project, and who currently has it opened. If a project is marked with a lock, then another person is editing it.
*Note: Two users **cannot** work on the same project at the same time.*
(The lock can be overridden by right-mouse selecting the page thumbnail, in the case that a user has kept the project open on their computer accidentally. You will be able to see who has the project locked by trying to open it -- their nickname will appear.)

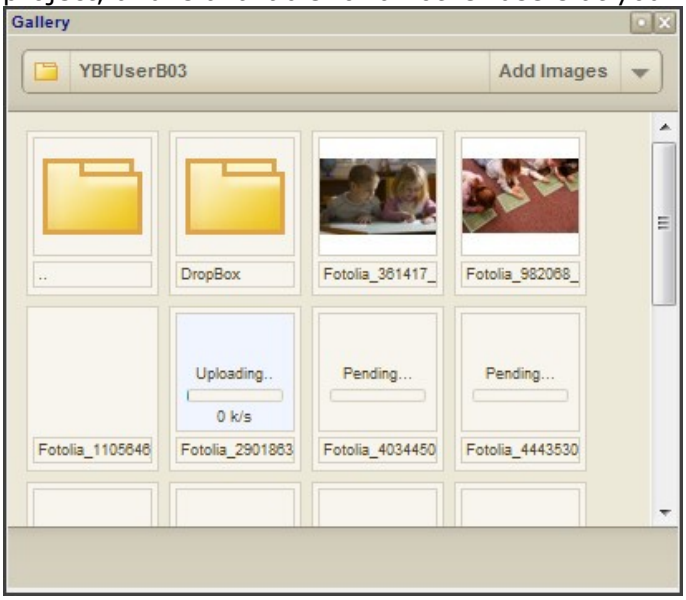
Saving to Remote Storage can take some time, because you are uploading the project and every image contained within it. The speed of the transfer depends on your internet connection and local network traffic.

Sharing Images on the Yearbook Gallery: YearbookFusion licenses with remote storage may use the Gallery hover to share images. To add images directly to the Gallery, click on the ADD IMAGES button. This will open a standard "browse" type window, to navigate to any folder available to your computer. Select one image, or hold the Control key and select multiple images. When done, choose OPEN to start the upload process.





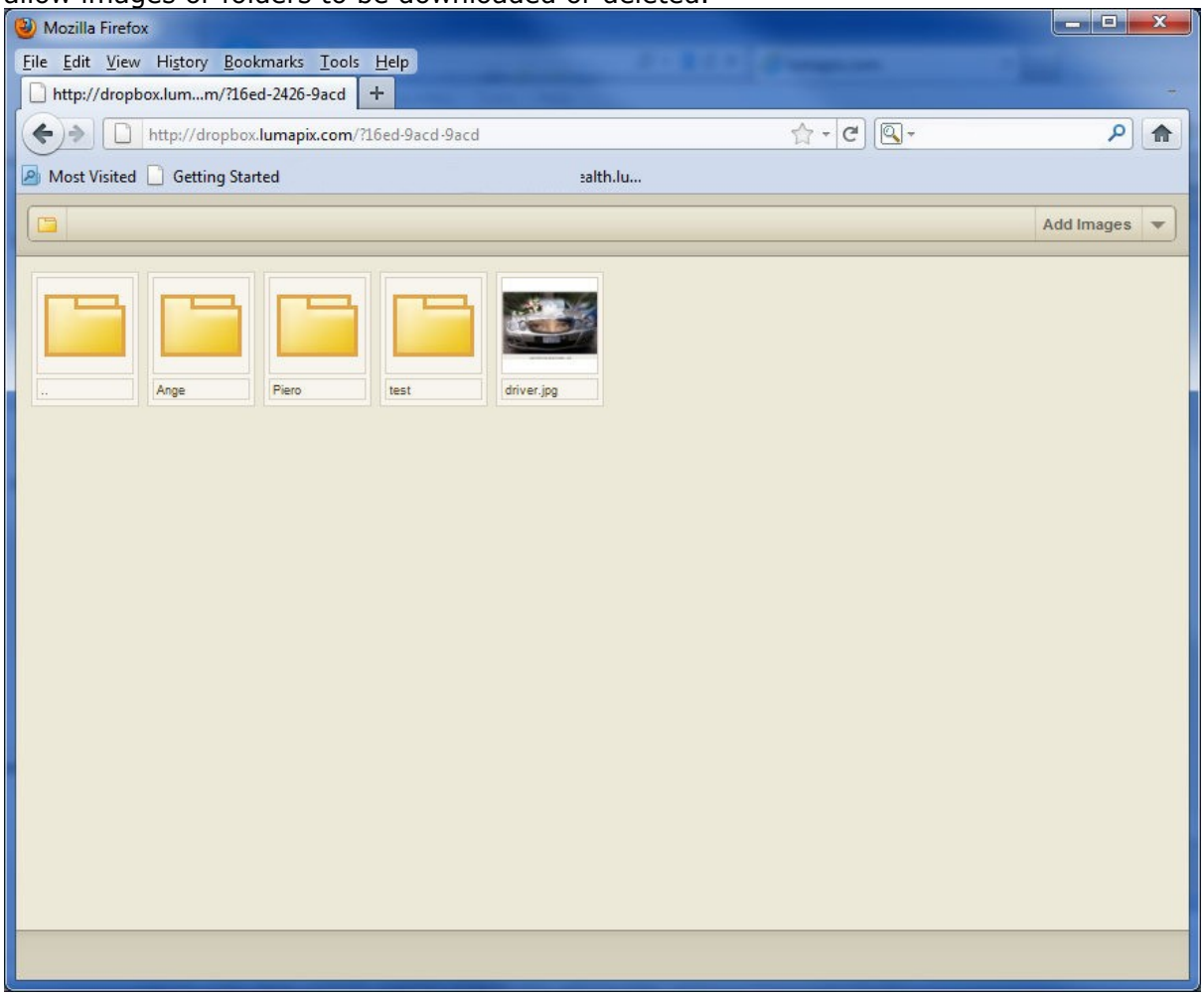
When the upload is complete, the image thumbnail will appear. The image is now ready to be used in a project, and is available for all other users at your school.



To create a **folder** in the Gallery hover, right-mouse select in the blank area. Double-click on a folder to open it, to add images or use images that have already been added. Right-mouse-select any image or folder in the Gallery to rename or delete it.

Using the Gallery Dropbox: The Dropbox is a folder within the Gallery which allows you to receive images from people not working directly in YearbookFusion. Navigate to the Dropbox folder in the Gallery - you'll notice a website address at the top of the hover.

Copy this address - and email it to anyone who needs to send images to the yearbook project. When the address is pasted into any web browser, an identical layout to the Gallery hover will display. Click on **Add Images** to upload photos, or right-mouse select an image to rename it, or make and navigate inside folders, just as you would directly in the software. The Dropbox, accessed from a web browser, does not allow images or folders to be downloaded or deleted.

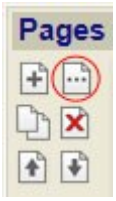


Assembling Your Completed Book: The project manager is usually the person who will control the final assembled book project - we'll call it this the master project. The master project will contain the panel pages and portrait database. ***Only ONE project can contain the panel pages and the database; two database projects cannot be merged.***

Once the yearbook manager has access to all the component projects available, open (FILE > Open) the project that will serve as the master project. Again, this is the project that contains the panel pages and the database.

From the Pages hover, the current contents of the book will be visible in miniature version.

Use the **Insert Project** option on the Pages hover to add the individual projects, one at a time, into the Master Project.



After candid pages are added into the project, they can be moved up and down the project (and in-between the panel pages) by means of the arrow keys. Note: Candid pages can be moved in-between panel pages, but not vice-versa.

If a page needs to be deleted, then select it and use the deletion button.

Pages can also be duplicated (copied).

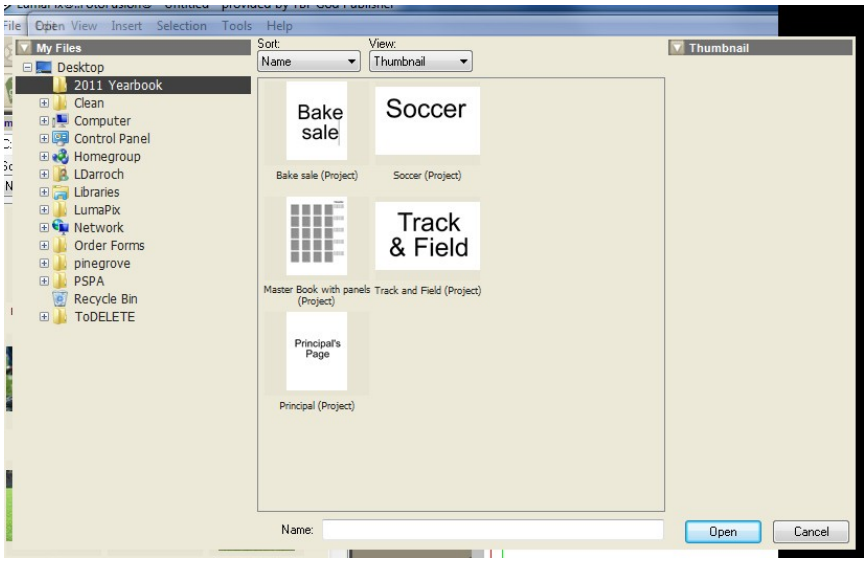
When all the pieces of the yearbook project have been assembled into the master project, the yearbook manager can review the project then submit it to the yearbook publishing company as per their instructions.

Designing Tips: Creating a yearbook can be a fun, creative and collaborative process. Here are a few tips to help you make a memorable book that will be the talk of the school.

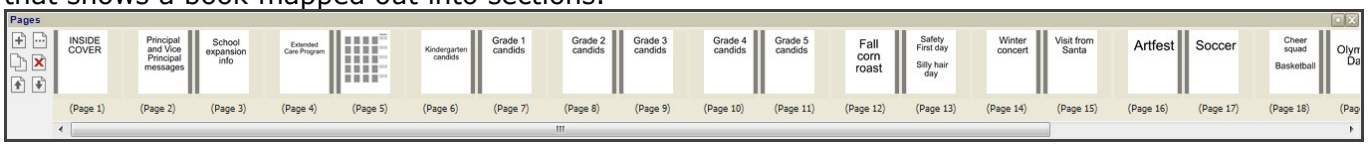
Tip 1: Plan, Plan, Plan - Then Design: The first secret to creating a successful yearbook is to map the project out before you put a single image to canvas. The bulk of your time will be spent collecting images and determining the flow of your book into pages and sections. Once this work is done, the page design process will be a breeze. ***Very important:*** Start planning early in the year, not a couple of weeks before the project is due. Don't stress yourself out!

Dividing the book into "bite-sized" pieces will make it less daunting. To begin, consult the school calendar from the previous and current year, to determine what the big events in your school will be. Look for recurring events: performances, fundraisers, fairs, dances, sporting events, club activities, etc. Do any staff members need special pages, such as a note from the principal or a page for awards of merit for faculty? Reserve a few pages for "every day life" at the school - the cafeteria, study hall, library, recess, and so on. Also be sure to few pages free for the unexpected. Both happy and sad events need to be chronicled at your school, and not every event is planned or expected.

Once you have mapped out your sections, make empty placeholder projects or pages and save these. If you are working together as a team, open a blank project, type in large text the theme of the page, then save it. If you are assigning sections of the book to members of a committee, you might want to make a sub-folder for each person and add their placeholder project into the folder.



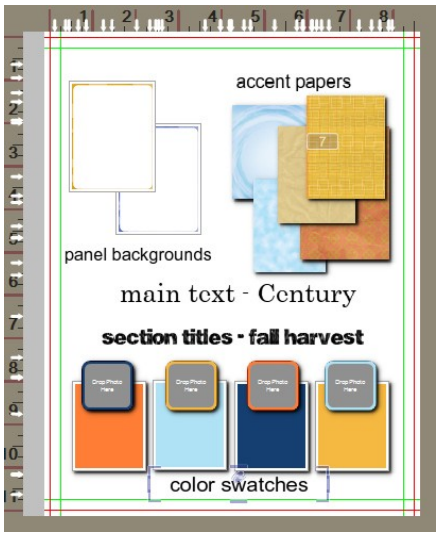
If you alone are making the project, create a base master yearbook project, then fill it with empty pages and a text frames to indicate what section will fill the page. For example, here is a view of a Pages hover that shows a book mapped out into sections.



Once this work is done, you only need to choose the photos to fill the pages.

Tip 2: Consistent Styling: Well-desinged yearbooks use color, font and style to create a "look," just like a magazine. A book can carry a consistent look across the entirety of its pages (preferable for small books) or across sections within the book.

Define sections with a **common background texture and color**. Use one common background across all panel pages, or at least across each grade. The color will distinguish the sections from one another. Also, use a consistent border size/color across sections. Avoid making your book a rainbow of colors on each page - this distracts from the photos and most people will not find it appealing. Pick three colors and reuse this across the book, along with neutrals (white, black, grey, beige/tan). **Pick one font for all titles/headers, and another font for body text** (meaning, paragraphs of text). Don't leave your text in standard Arial - it looks unfinished. You can use other font and text styles to punctuate the book (eg. quotations, slogans, word art) but keep the bulk of the text consistent. Your book will be unified, and the images will be the focus, not the decorations. You might even design a palette page - copy this page into your project to have the colors, textures and fonts at hand.



Tip 3: Avoid the Clutter: The #1 problem with most yearbooks is using too many images per page. **Your yearbook is not the repository of every photo taken that year.** Be selective! You may think that you need to include as many photos as possible, so everyone in the school gets their photo into the book. Unfortunately, if you overcrowd your pages with dozens of tiny images, then essentially no one is visible in any of the photos. Don't auto-collage two dozen or more images on a page - pick the best 6-10, and feature one or two prominently, framing them nicely.

A yearbook should tell the story of your school year, so select a few good images to tell that story. **Select well-composed shots** that show faces and people participating in activities. Don't use non-descript shots of group activities, or photos with random people's backs facing the camera. Far-away shots of sporting events or performances won't let you see what is going on - tell your photographers to get in close to the action. Show faces, zoom in on meaningful objects, just like the pros do.

Don't be afraid to leave "blank areas" in your book - particularly around the edges of the page. A blank space around the photos frames them, giving them importance. Pushing images too close the pages edge risks having them cut off as well, when the book is printed. A 1/2" margin around the "meaningful" content on your page will make your pages look professionally designed. Think of it as a "rule of thumb" - if you were holding a printed book up, would your thumb be on top of text or photos on the page?

Here are examples of badly designed pages. They are very cluttered. On the first page, the background fights with the images; on the second, the borders are more prominent than the images. No one will take the time to look at the photos on these page because they are too small, completely overwhelm the page, and there is no story being told. The pages are being used as a dumping ground for images, not as a

page to tell the anything about your school year.

Here are examples of well-designed pages. The images have been selectively chosen to fit together, with backgrounds that complement the images. There is sufficient empty space on the page to give focus to the photos, and a some text to define the story.

Basketball News
Our school loves basketball. All our students are unusually tall, and coordinated too. We won all the championships and will continue to do so. Our coaches are Mr. Green and Ms Goldberg. Most of our students will move to the NBA or WNBA and make millions of dollars. Isn't that wonderful? The strange thing is that we don't even have a gym in the school, and have to practice in the Walmart parking lot, when the store is closed. We love James Naismith and have a statue of him outside of our school. The pigeons don't even zit on it, its' so special. It glows when it rains, which is a strange thing to do. However, it is probably the reason that we do so well

If you are not confident about your design abilities, find inspiration in news magazines and scrapbooking web sites. Find a page layout you like, and copy the general arrangement of text and images on your page. Don't try to reproduce the page element-for-element, just the general placement on the page.

Tip 4: Make It Personal

Use your school colors for inspiration. If your school has a color theme, use it on your main pages - outside and inside covers, messages from the principal, general news, and the panel section, etc. Or be inspired by the design of your school - for instance, if the school is painted in a particular color scheme, carry it to the book. Check out the varsity papers in the Gallery (LumaPix clip art) to see if your colors are available.

Use "background" photos of your school and surroundings. Take photos of the floors, murals, lockers, sporting equipment, art displays, school grounds, etc, and use these as background images for your pages. Zoom in on the textures, or use blur, b&w or sepia settings to soften the images.

Use quotes and slogans as graphic elements. Text can be used to decorate your book too. Does a teacher have a particular slogan or expression they are famous for using? Does your school have a cheer or a song? Ask students and teachers for one-word or one-line sentence to sum up their year, and pepper these through the book.

Scan the headlines. Did your school or any of the staff or students get mentioned in the news? Scan or photograph the headline, and add it as a "ripped" banner. (Don't add the whole article unless you have permission from the publication to do so).

An Important Notice about Copyright: FotoFusion is packaged with a myriad of graphic resources. These are free for you to use in your book without restriction. Images provided by your yearbook company and candid images taken by staff, students and parents that are given to you are appropriate for use in your book. Similarly, art work and photos made by students or staff (with consent of the individual, teacher or student) can be used.

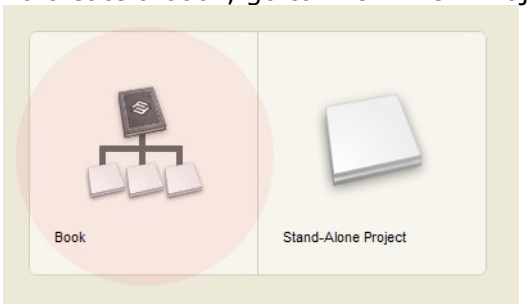
Images from other sources, including those downloaded from the web from sites such as newspapers, Flickr, Google image searches, stock photo sites, corporate logos, reproductions of works of art, celebrity photos, registered trademarks (eg. cartoon characters) and other sites **cannot and should not** to be included in your yearbook. Distribution rights are necessary to use images that have not been specifically provided to your school for use in the yearbook, and selling yearbooks containing these images could

result in serious legal problems for your school. Yearbooks are a commercial production and require special licensing to use images created by others.

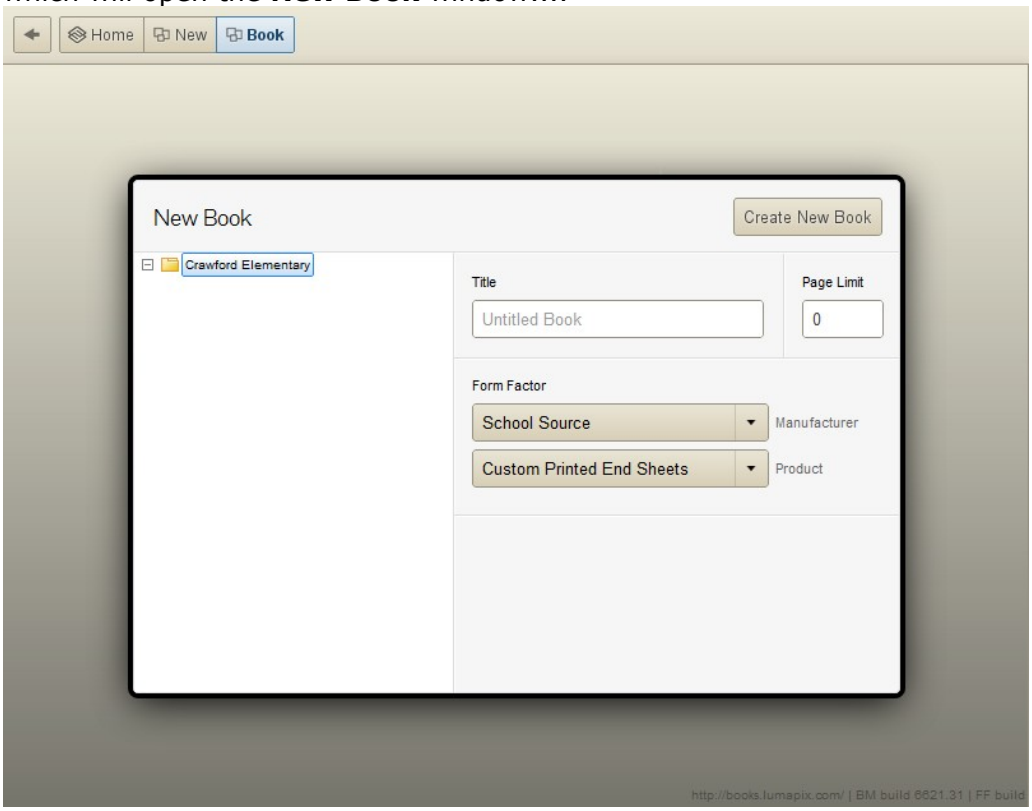
BOOK MANAGER (YearbookFusion only)

Book Manager is an add-on license available for some YearbookFusion users (as provided by your yearbook company).
It adds a module to your software which allows you to create new chapters (projects), designate the chapters as being editable online, to render multiple chapters (including those with databases) without merging project separately via the Pages hover. All projects used in the book manager must be stored on remote storage.

To create a book, go to File > New Project and select **BOOK**.

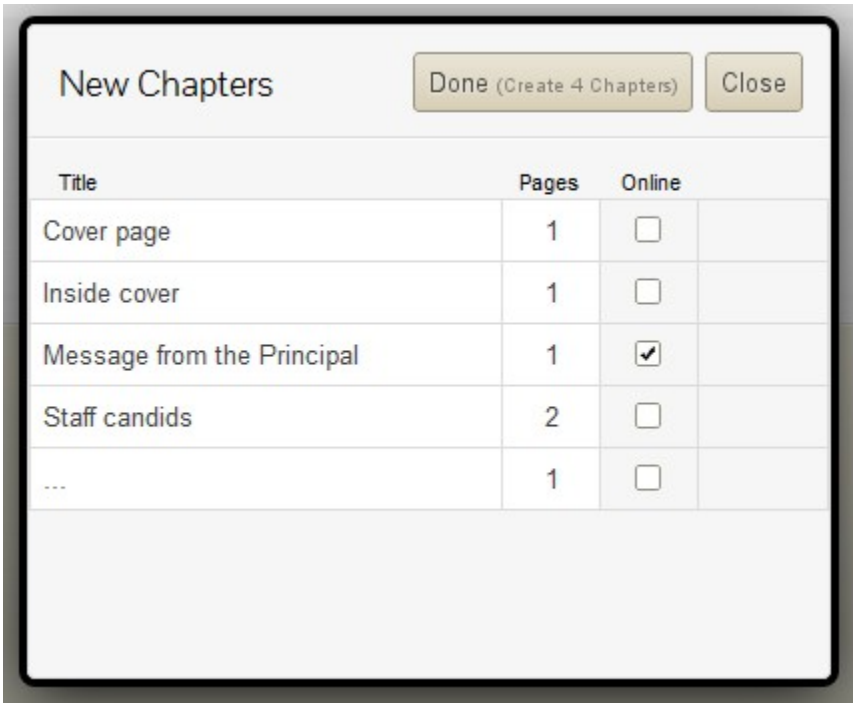


which will open the **New Book** window....



Type a title for your book, then click on **Create New Book** to start... the Chapters window will appear. At this point, you can create new blank chapters, or add chapters (projects) already saved to your Remote Storage folder.

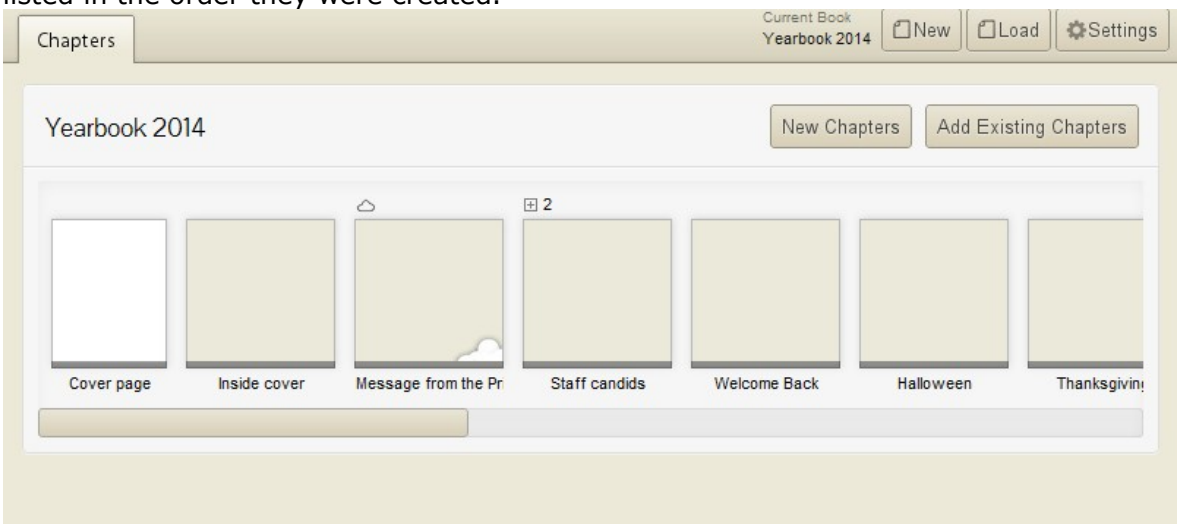
Click on **New Chapters** to add new sections to your book.



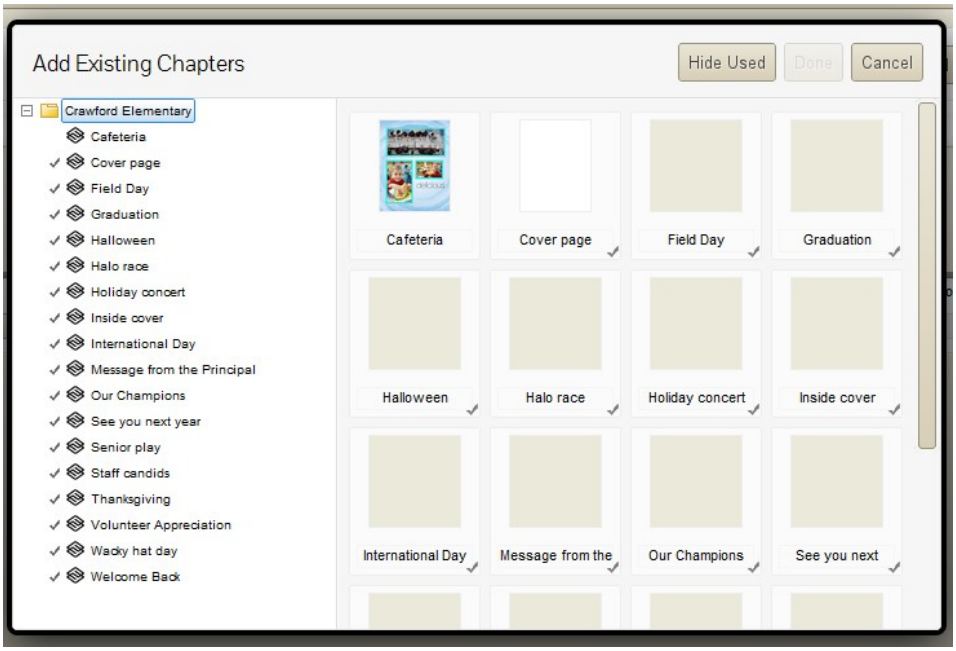
You can optionally specify the number of pages within the chapter at this point - it will create the equivalent number of blank pages in the project. You can add or remove pages later, when editing.

Flagging the project as **online** will make the project editable in an web browser version of FotoFusion. Note: by choosing this option, some features and graphic content will no longer be available to this project (eg. advanced text features, gradients). See below to learn how to edit your project online.

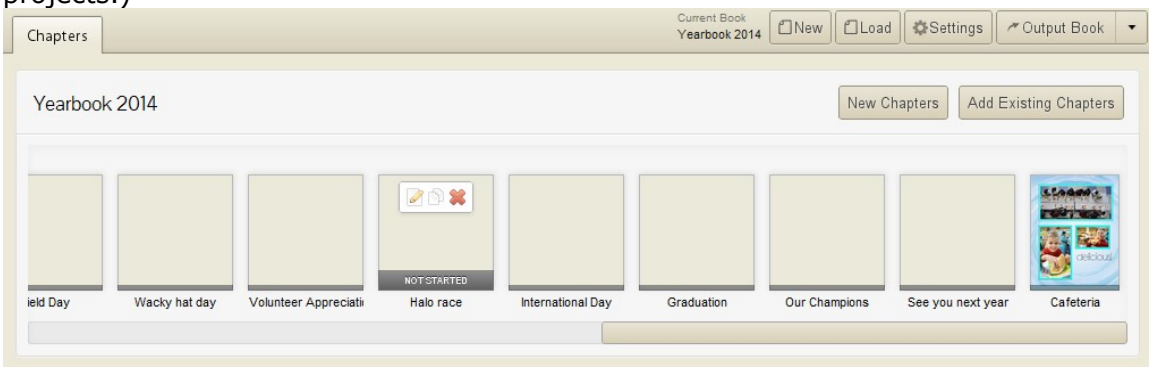
Continue to add as many chapters as you like. When done, click on **DONE**. Your chapters will be created and saved as projects to your remote storage folder. The Chapters tab will update with all the chapters listed in the order they were created.



From this window, you can drag a chapter from one position to another, to rearrange their order. You can add preexisting chapters into the book as well. Click on **Add Existing Chapters** ... A list of all your remote storage projects will appear. Used projects will feature a checkmark (click on the **Hide Used** button to show only the projects not in the current book).

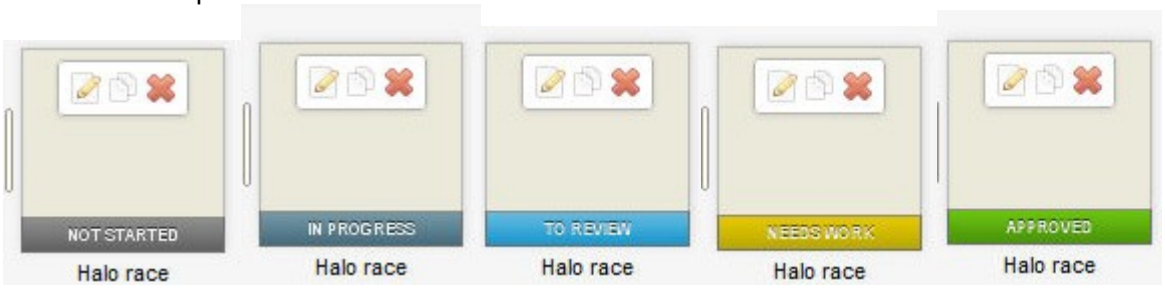


To add a project, select it from the preview pane or the list, then click DONE. (Hold Ctrl to add multiple projects.)



The selected project(s) are now added to the book. To move the project to a new position, click and drag it to a new location.
In the image above, notice how the chapter "Halo race" is selected - and a small toolbox as appeared.

Click on to open the project in FotoFusion, to edit it. Click on to clone (make a copy of) the project. Click on to delete the project from the book manager. Note: this doesn't delete the project, just removes it from the manager. You can also flag the status of each chapter by clicking on the color bar below the preview.

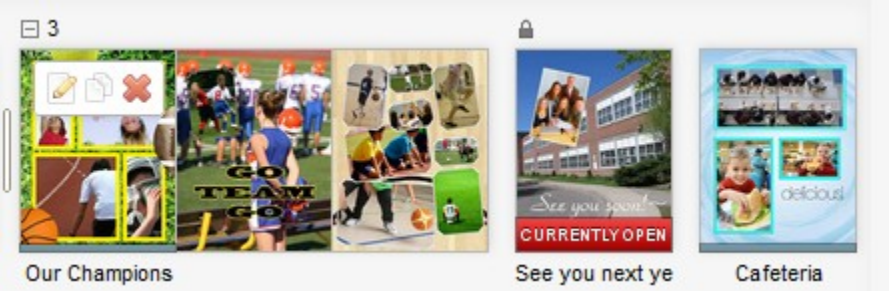


Once you have set up a book, you can continue to work on the chapters (projects) via the manager, or by

opening the projects through File > Open > Remote storage. Any changes made to the project will apply to the Book. For instance, if you add extra pages to a project, you will see the number of pages and preview of those pages will update in the book manager.

Here we have two blank projects and one single page project.

If these projects are edited and resaved, their appearance will be updated in the Book Manager preview.



The first project has grown to three pages - click on the +/- sign next to the page could to reveal previews of the pages. The second project is opened for editing, so a lock appears at the top. Locked projects cannot be opened by another user.

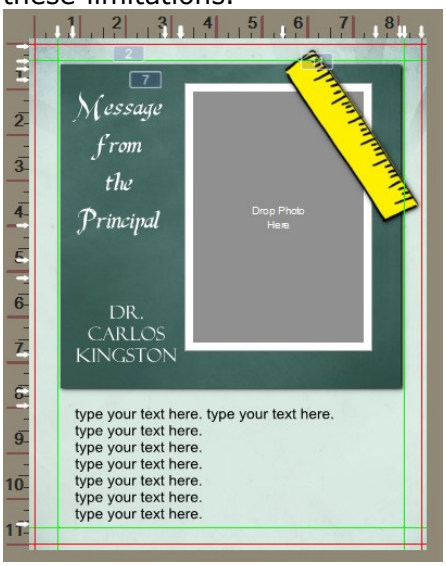
On the top right corner of the book manager tool, you'll find several options:

Click **NEW** to start a new book.
Click **LOAD** to open another book.
Click **SETTINGS** to change the form factor (product + page sizes) of the book.

When your book is complete, click OUTPUT BOOK to render it - to a local file, uploaded directly to your yearbook printing company, or to generate a text list of all the sections in your book (paste the text into a word processing program, like Word or Notepad).

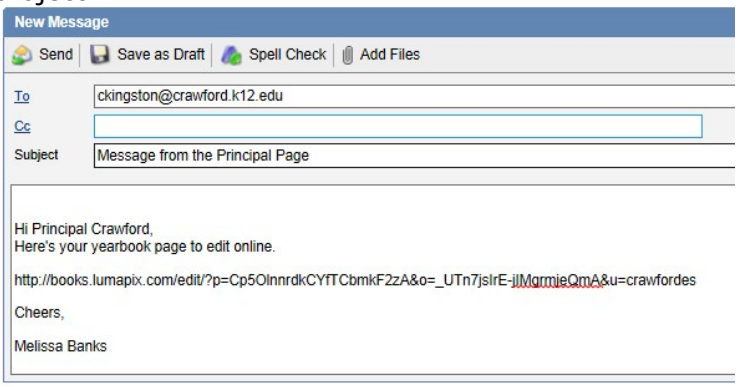
Editing Chapters Online: When creating a new project in Book Manager, you can specify that it will be editable in an online version of FotoFusion. This is particularly useful if you need someone to customize a template, but do not want them to go to the trouble of downloading and activating software. In our example book, the Message from the Principal chapter has been assigned as an "online" chapter. Notice the cloud icon on the project preview.

Before we can send the project to the principal, we need to give him something to work with - the project has no images or fonts to work with. Launch the project in FotoFusion, and make a template. Any feature that is not available in the online version of the software will be disallowed - you'll notice that certain image file types can't be dropped (eg. emf files, from the Gallery), that you cannot type on the canvas, and some fonts will be marked as red (unusable). You can still build a nice template page even with these limitations.

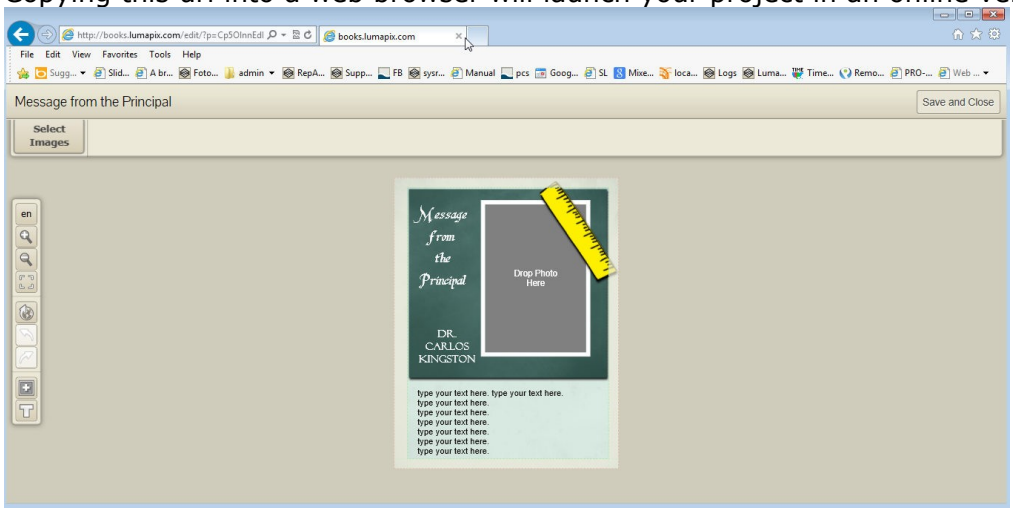

Message from the Principal
Drop Photo Here
DR. CARLOS KINGSTON
type your text here. type your text here.
type your text here.
type your text here.
type your text here.
type your text here.
type your text here.
type your text here.

Now that we have something to share, save the project (File > Save). Back in the Book manager, the thumbnail will update.
Hover over the chapter - notice the clipboard icon. This is the means to retrieve the address for the online chapter.

Click on it - the url (website address) has been copied.
Paste (ctrl-V) the url into an email or text message to send it to the person who will be working on your project.



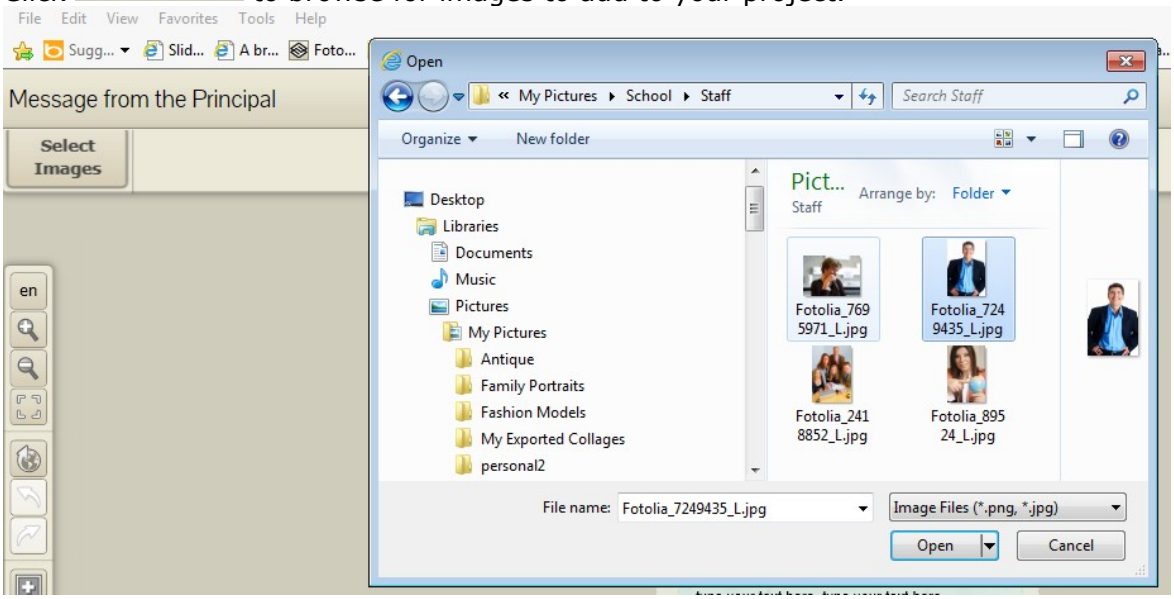
Copying this url into a web browser will launch your project in an online version of FotoFusion...



The project can now be edited online.

Click

to browse for images to add to your project.



Your image(s) will appear above the project, ready to add to the project. Choose FILL BOOK to add images to empty frames on the template, or drag one image into an empty frame.

Double-click on text frames, to open the simplified text editor. Any fonts included in the template will be available from the font dropdown.

Image and text frames can be resized via the handles, or removed and reordered from the editing and navigation tools.

To reorder frames on canvas, use the toolbar on the left side of the screen. Click X to delete unwanted frames.

Zoom in/out of the project, save changes, undo/redo edits, and add new frames from the toolbox on the left side of the screen.

When the project is complete, click

. It will unlock the project on remote storage. Back in the installed copy of YearbookFusion, in the Book Manager, you'll see the thumbnail update. Your chapter is now available for additional editing in FotoFusion, or you can mark it as complete.

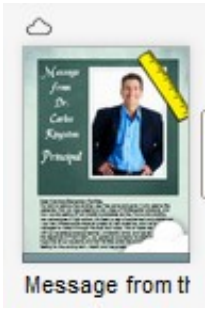


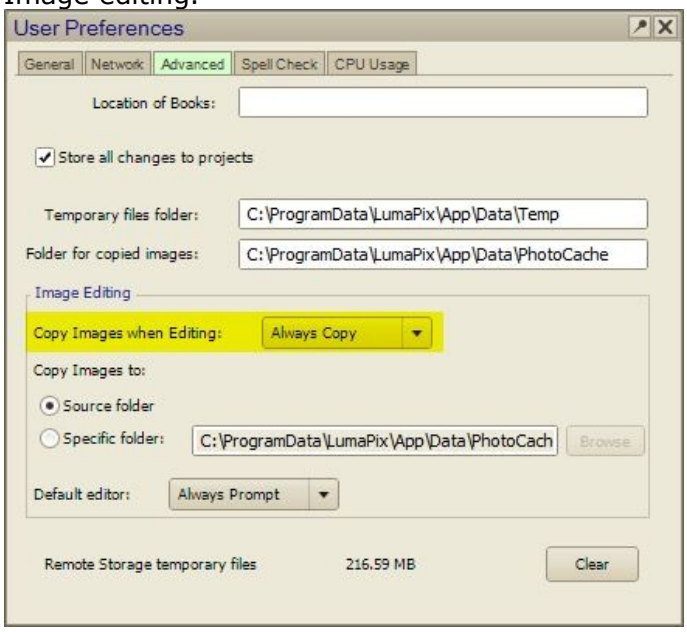
IMAGE EDITING WITH OTHER APPLICATIONS

Editing a rendered project file: All users can export flattened files directly to an image editing software (such as Photoshop).
The Output to a File tab allows you to render your composition to an external editor. This will allow you to make global changes to an entire composition, or work on spot editing. *Note: FotoFusion Extreme allows you to render your files into a layered psd format, which you can open in Photoshop. All elements on your FotoFusion collage will be rendered to separate layers in the psd, allow for individual image color correction*.

Editing images while working in FotoFusion: When you drop an image onto the canvas, FotoFusion does not open the image up in full resolution.It creates a low-resolution copy of the original. Because of this, FotoFusion allows you to add dozens and dozens of images at one time to your canvas. If you need to edit an image you have dropped on the canvas, you can open it directly in a graphic editing software, make changes, then auto-update your copy in FotoFusion without having to rebuild a collage from scratch. This is useful if you need to affect the image in some way that FotoFusion does not support, for example, paint out some dust or remove blemishes.

To open an image while working in FotoFusion: *Right*-mouse select an image. Choose **Image >External Edit > Edit in External tool** from the resulting pop-up menu. FotoFusion may ask you if you would like to make a copy of the image. If you choose "yes", a new copy of the image will appear in the same folder as the original (eg. D03043.jpg, D03043 (copy).jpg). If you choose "no", you will be directly editing the original image.
If no editors have been previously selected, select "manage". Click on the Add button, which will open your Windows Program File folder. Navigate to the folder of your software of choice, and find the .exe or .app file which launches the software (eg. C:\Program Files\Adobe\Photoshop\Photoshop.exe). Once an editor has been specified, select it so that it is highlighted, then choose OK. The specified software will launch, and your image will open. Save the file once your editing is complete, and go back to FotoFusion. If the image does not refresh immediately, hit F5 on your keyboard to redraw your canvas.

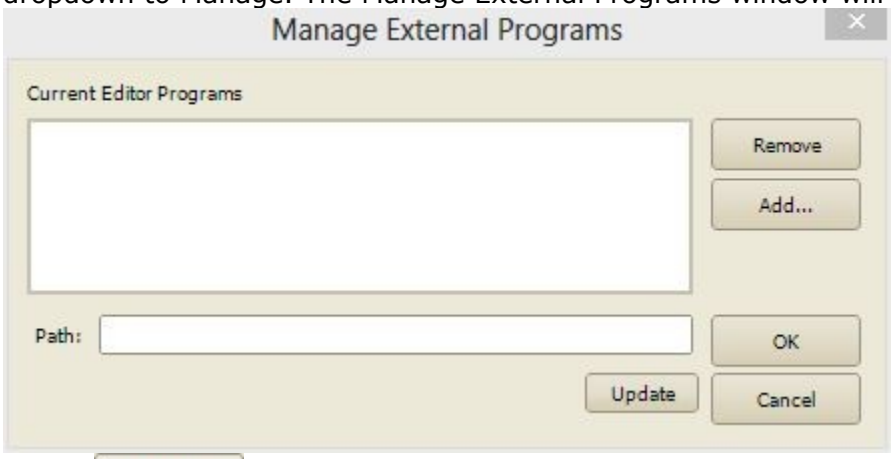
Setting default editor preferences: If you want to set preference for editing with an external tool, choose **Edit** on the menu, then **User Preferences**. Under the Advanced tab, select your options for Image editing.

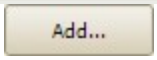


Copy Images when editing: FotoFusion can either prompt you each time you choose to make a duplicate copy of your image each time you edit it in an external tool, or you can set a general rule to always copy or never copy. You would choose to copy your images if you did not want the original to be overwritten.

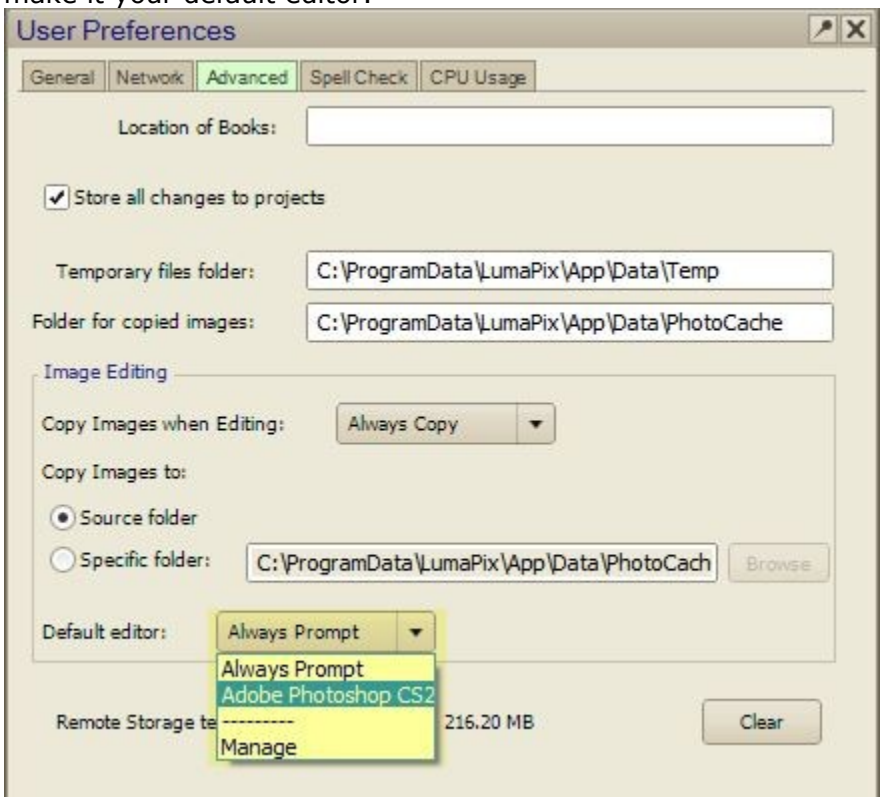
Copy Images to: FotoFusion will place copies of the images next to the original image, unless you point it to a specific folder on your system.

Default editor: You can be always prompted to choose to edit your images in an external tool (if, for instance, you have more than one editor you use). To set a permanent editor, change the Default editor dropdown to Manage. The Manage External Programs window will appear:



Select 

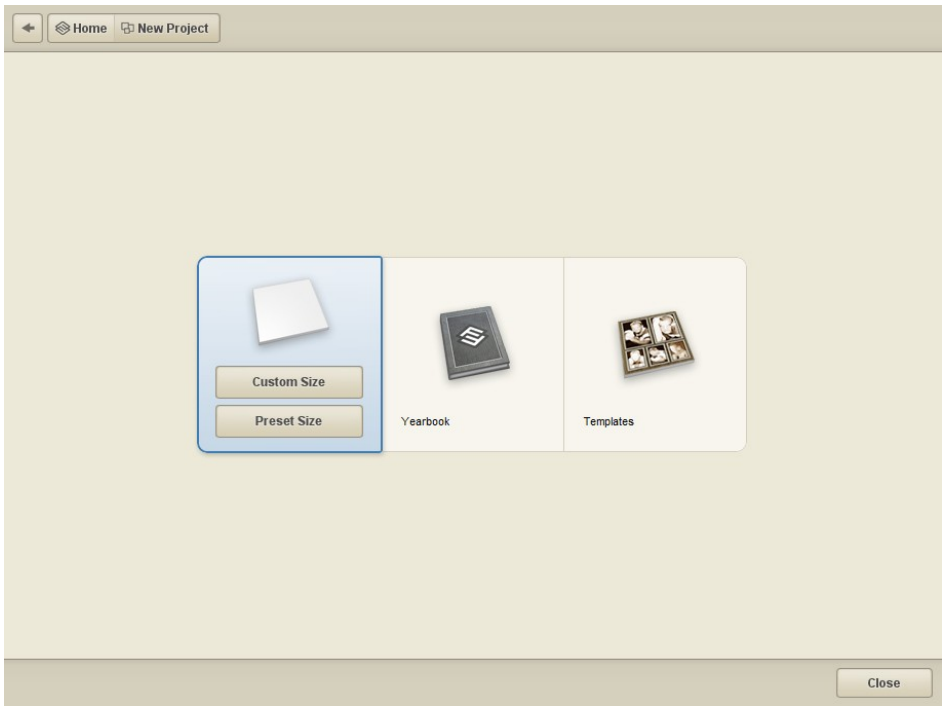
to browse your computer for the folder containing the .exe (Windows) or .app (Mac) file for your chosen image editing software.
Once selected, it will appear in the list of available editors in the User Preferences window. Select it to make it your default editor.



PAGE SIZE & PROJECT TYPES

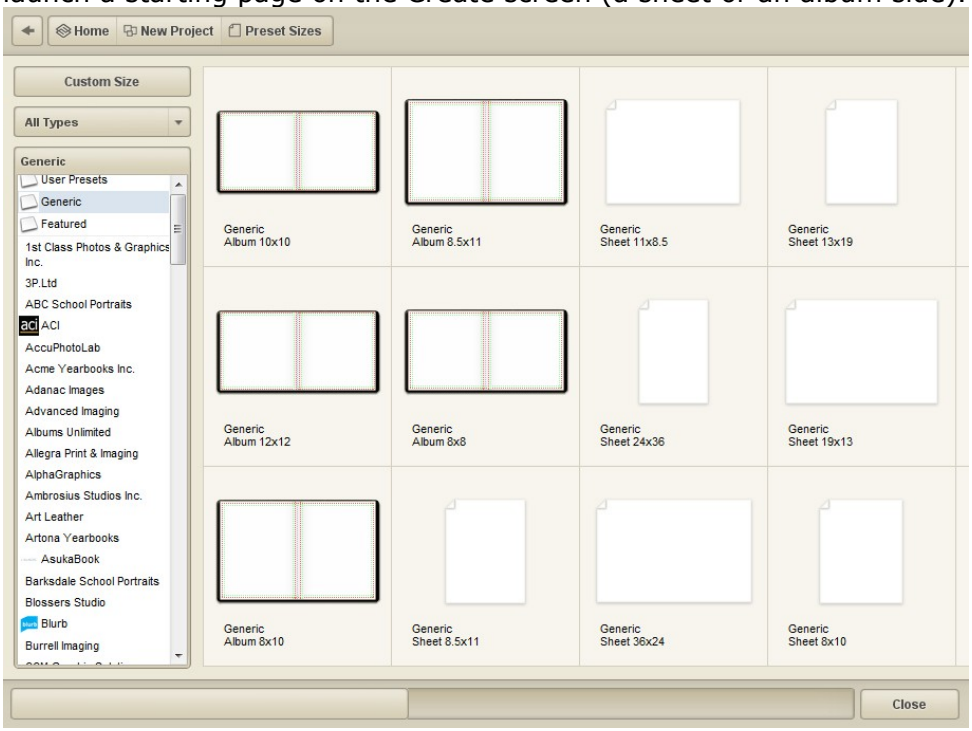
Defining a Project Type: Choose FILE > New, or New Project from the Start Tab to access a list of available project types and page sizes. A collection of page sizes is called a form factor. A form factor can contain more than one page size - an album-type project contains album sides, double-spreads and covers, for instance.

From the New Project window, choose **Preset Size** to get to a predefined project type, or **Custom Size** to start a blank project according to your specs. Note: Some options may not be available to you due to restrictions from your book publisher or license type.

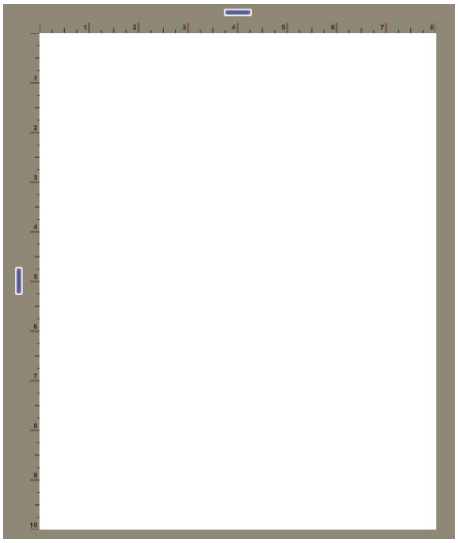


Selecting **Preset Size** may display a selection of common generic formats, and/or a list of formats from selected book printing companies who have provided their sizes to LumaPix. Click on any product to

launch a starting page on the Create screen (a sheet or an album side).



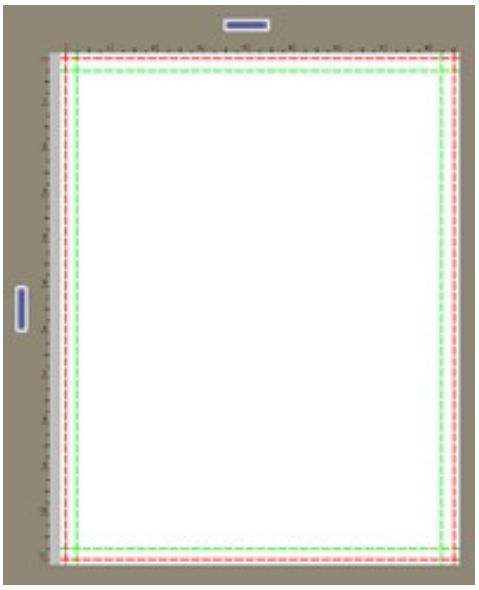
Page Types: FotoFusion Extreme & Yearbook allow you to choose among four different page types.



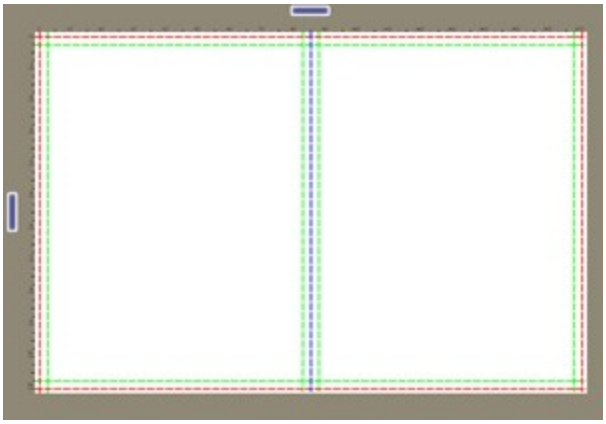
A **Sheet** represents a single piece of paper that is not part of a book.
Note the little blue resize handles on the top and left-side of the page; pull on these to manually grow or shrink the page size.

Multi-page projects usually do not contain sheets, as they provide to orientation to their binding direction.

Note: Enhanced users are limited to single-sheet projects, of no more that 13x19"

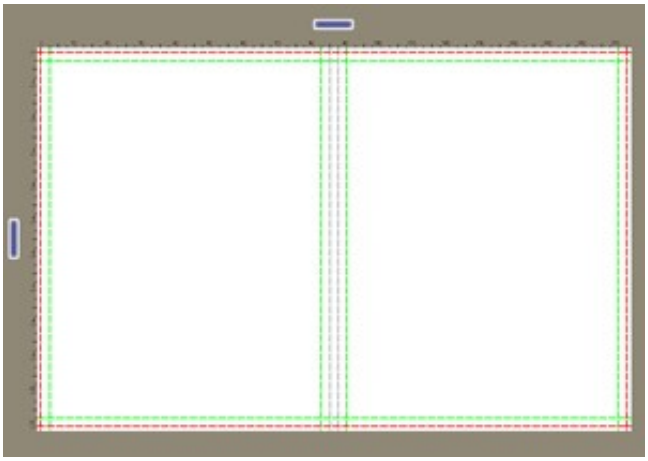


An **Album Side** represents a single page of a multipage project. The grey line on the edge of the page represents where the page will be attached into the binding of the book. Album sides can be **left or right side pages**, depending on where this grey line shows.
(Extreme, Yearbook edition only)
You may see **red and green lines** around the edge of the page, like in this example. See info below on Guidelines to learn more
Red lines are the "bleed" zone - it represents where the page will be trimmed after it is printed.
Green lines are the "safe" zone - it represents a guideline/margin to show you where to keep all "meaningful" content so it will not be trimmed out; do not put text or pictures of faces too beyond the green line.



An **Album Two-Page Spread** shows two adjoining pages, with a split down the middle to show the gutter. A solid background or image can be placed across both pages.

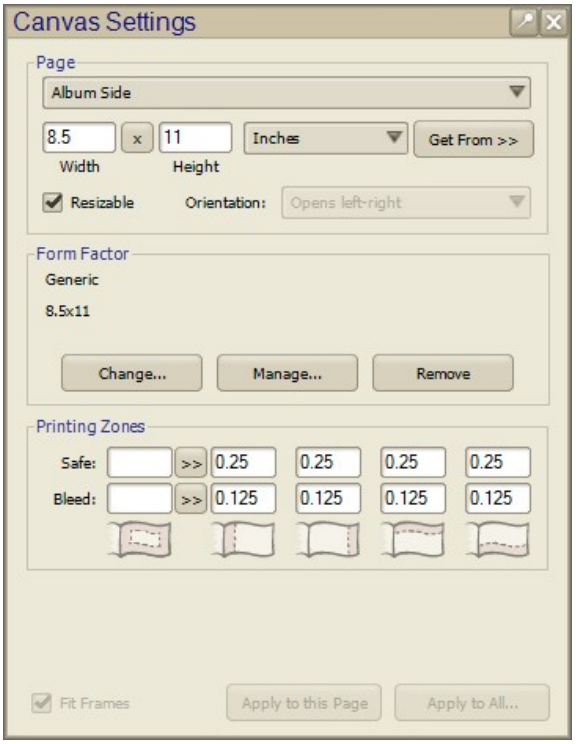
Note the green safe lines in the middle of the page - don't put "meaningful" text or image content across this space, because it will be distorted by the book's binding. *(Extreme, Yearbook edition only)*



A **Cover** can include **a spine** in the middle of the page, where the title of the book can be added - represented by the two grey lines. The cover is shown opened flat. The left side of the page is the **back cover**, and the right side of the page is the **front cover**.
Covers can also have flaps, intended to be used to make a dust-cover that raps around a hard cover.
A note about choosing covers: cover sizes are related to the thickness of the book. The cover (and spine) needs to be wider to fit more pages or thicker paper.
(Extreme, Yearbook edition only)

(Re)sizing Pages & Projects: Page size and guidelines can be changed at any time, providing that the page or project size has not been locked down by the album manufacturer (eg. Yearbook projects). Multipage projects can even be resized, all pages at once, with a few simple clicks. To set or

resize your current page or project from the Create screen, double-click outside of the canvas area. The **Canvas Settings** editor will open.



Page allows you to change the page type (from the drop box) and the page size (width/height). Click on the x between the width and height to flip the two values.

Ensure that Fit Frames **checkbox is on if you want FotoFusion to resize your composition to the new page size.**

Turn the "Resizable" checkbox on to display the two blue handles along the ruler edge, which will allow you to resize the page by dragging on the handles.

Form factor displays your currently selected product.

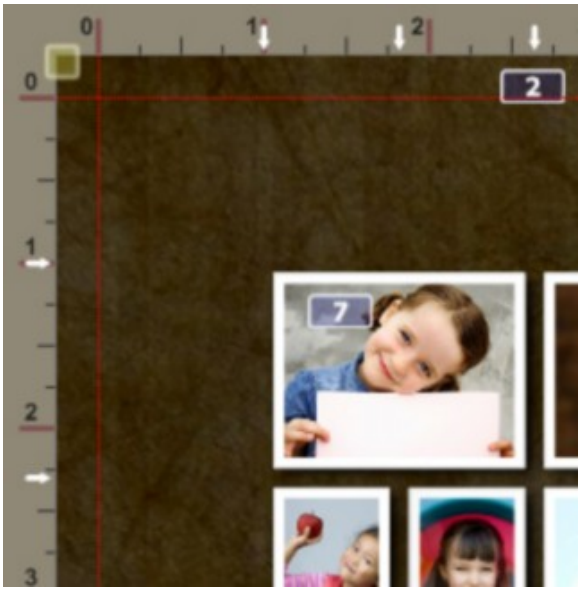
To pick a new project type, click on Change..., then select a new project type, manufacturer and size from the drop-down lists.

Choose Manage... to create your own custom size (see below).
Remove strips away the project type and manufacturer but leaves the page sizes and guidelines unaltered.

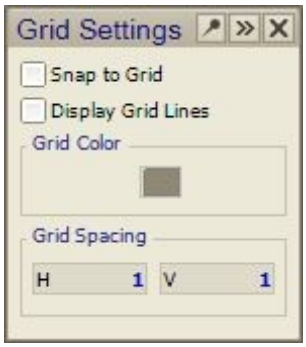
Printing zones allow you to modify or add safe and bleed guidelines. Type a value in the first box of each row, then click on the >> to transfer the value to all four sizes. You can specify a separate value for the gutter, edge, top and bottom of the album.

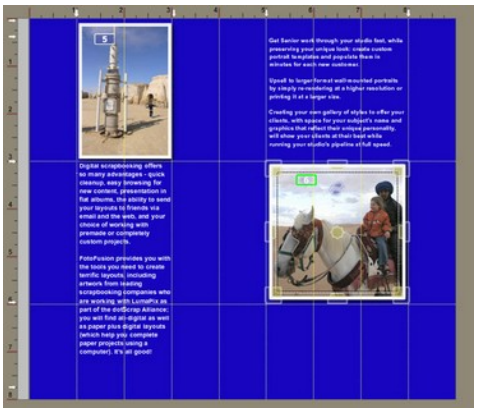
When you are done changing your page size or type, choose **Apply to this Page**, or **Apply to All** like-type pages or all pages in your current project.

Guidelines: A **Safe guideline** is marked in green on the canvas. The line does not appear on finished printouts or renders. All "meaningful" content should be kept within the margins of the Safe area.
This ensures that the content on your page doesn't get cut off too close to the edge, or caught in a book's binding. The Autocollage tool will respect the Safe guidelines, which has the effect of creating an attractive border around your images.
You can move images and text outside of the Safe guidelines - for instance, if you were trying to achieve a "jumbled off the page" look, or have applied an image across the gutter of two pages.
Don't place text frames over the safe, if you want the text to be read comfortably, and don't put "meaningful" parts of an image on or over the line (eg. a face).
Even if you are printing on a desktop print, you may want to add Safe guideline to help you make a more attractive layout with a margin around the edges of your page.
Safe guidelines are added via the Canvas Settings editor (see below) or are pre-programmed into the manufacturer's preset sizes.



A **Bleed guideline** is marked in red on the canvas. The line does not appear on finished printouts or renders.
The bleed value increases the overall size of your page, because it is intended as adding padding to trim off during the printing process. The Bleed guideline falls exactly on the trim-edge of the finished page.
Note that on the ruler, the canvas size extends below the 0 mark.
Pro-printing companies who print multiple pages on a roll or a large sheet will use Bleed guides to ensure there is a little extra room when trimming the pages, extending the background outside the trim area so no white paper will be showing at the edge.
Generally, you would only apply Bleed guidelines to your canvas if specifically directed by a pro-printing company or that your studio equipment requires it. If you are simply printing on a desktop printer or sending your projects to a photo-finisher, you should not include a Bleed.
Bleed guidelines are added via the Canvas Settings editor (see below) or are pre-programmed into the manufacturer's preset sizes.

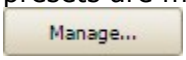




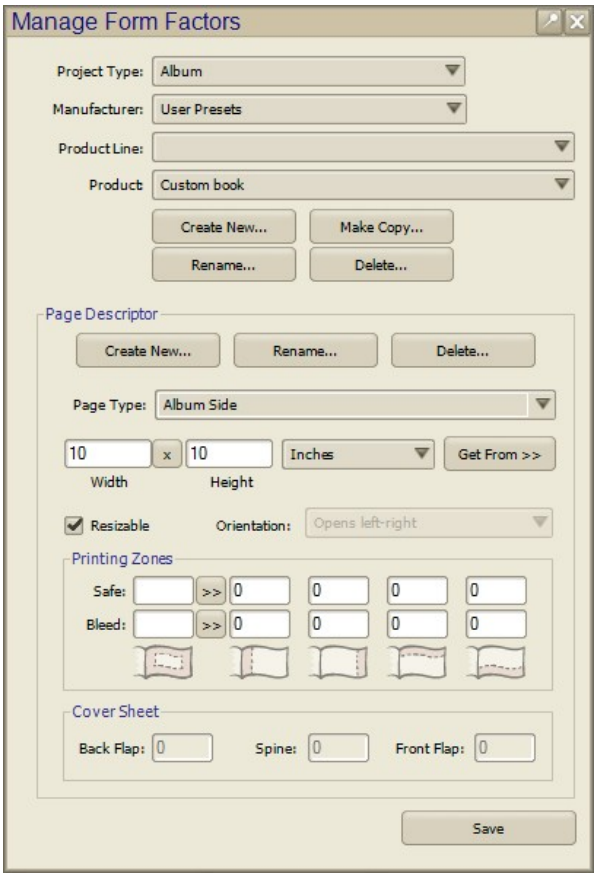
Grid guidelines are optional on-Canvas-only settings that can be applied to help you lay out your pages. Right-mouse select outside the canvas, choose VIEW, then choose Grid Settings... to set your preferences. *Snap to grid* will cause the frames to be "magnetically" attracted to the grid lines. *Display Grid Lines* will make them visible on canvas (note: grid lines will not appear on rendered or printed projects).
Change the color of the gridlines (grey is default) with the color swatch. If you have a light colored background choose a dark colored line, or vice versa.

The **Horizontal and Vertical** spacing, displayed in inches, can also be altered to your requirements.

Custom Presets: FotoFusion provides a list of manufacturer's presets and generic, commonly-used sizes. If you have custom page sizes you use frequently, you can create your own presets. Custom presets are made through the Manage Form Factors feature. To access the editor, either click on the



button on the Canvas settings window, or right-mouse select outside of the Canvas, choose PROJECT > Project Settings > Manage Form Factors.



Click Create New... **at the top** to make a new form factor preset. Products can contain more than one page type. Specify the type of project (Album, Sheet, Specialty, Digital) and the name for your new product.

At the top of the window, the Project Type, Manufacturer and Product name will be all specified automatically.

Under *Page Descriptor*, click on Create New... to add a page type. For example add an album side and a double spread page to a custom album project.
Complete the Page Type, dimensions, and printing zones, then **Save** the new preset.

Add additional pages, and, if necessary, rename or delete existing presets from this window.

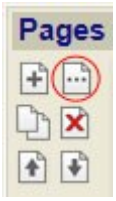
Your presets will now be available under **User Presets** to select for new or existing projects.

MULTIPAGE PROJECT MANAGEMENT

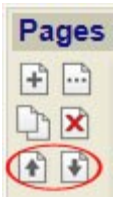
Multipage projects are enabled in Extreme and YearbookFusion license types. Hover over the Pages button at the bottom of the Create screen to access the controls for multipage project management. (Dock it by clicking on the pin icon.)

To add a **New Page**, select the first icon on the left. If your currently selected product contains multiple page sizes (eg. album sides, double-page spreads, covers), you'll be able to pick which one you want. *YearbookFusion users: Keep in mind that panel pages can only be made on Album sides.*

Use the **Insert** button to add other separately saved projects, templates or a new autocollage into the current project. *YearbookFusion users: projects each containing a database cannot be merged together, so be sure to only have one project with the panel images and database.*



Pages can be moved **up and down** the sequence by means of the arrow buttons. *YearbookFusion users: candid pages can be moved in-between panel pages, but not vice-versa.*



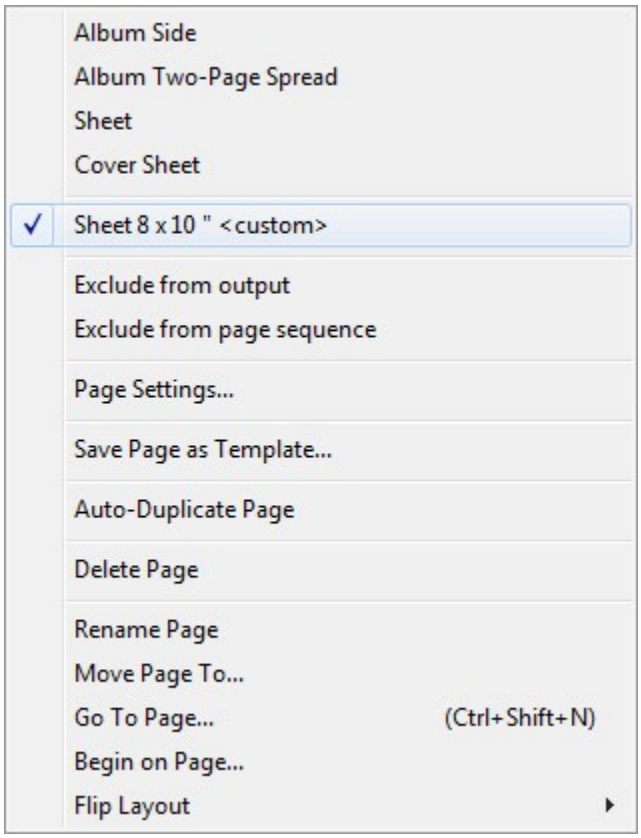
To delete a page from your project, select it from your Pages Hover and click **delete**. *YearbookFusion users: deleting one panel page will delete all the panel pages in that set.*

Pages can also be **duplicated** (copied). This allows you to duplicate the style of one page, and change the image content if you want. *YearbookFusion users: Panel pages cannot be duplicated.*

On the

hover, right-mouse select any of the individual page thumbnails to access options particular

to that page.



Change the **page type**, and, for album sides, their direction (left side or right side). The currently selected page will be checkmarked, and, if applicable, the side type (right or left) will be checkmarked.

A list of custom page sizes used in the current project will appear, if applicable.

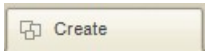
Exclude the current page from the finished project (eg. an instruction sheet) or from page numbering. Cover sheets are automatically excluded from page numbering.

Page settings opens the Canvas settings editor, where you can change size and guidelines.
Save Page As Template will create a single page template (with or without image content, your choice) for reuse in other projects
AutoDuplicate Page transforms an unpopulated template into a self-replicating template when combined with the Autopopulate tool. Learn more in the Autotools section of this manual.
Delete page does just that - the page is removed from the project.

Rename Page will change the page name displayed the Pages hover. This does not apply to final output or printing. **Move page to...** allows you to move the page to a specific location, eg. move the last page of a project to Page 3. Similarly, **Go to page...** allows you to immediately switch focus to a particular page within the project. **Begin on page...** sets the first page of the project to your choice (useful if you are working on a project with separate projects for different sections).

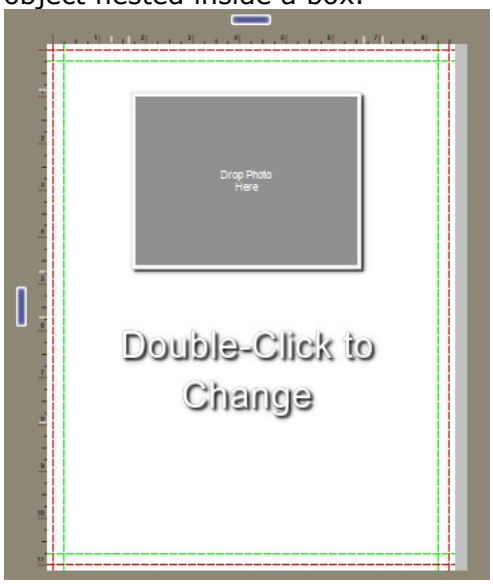
Flip Layout options provide the ability to AutoFlip your page - meaning, if the page switches from a left-side to a right-side album side, the content of the pages will flip relational to the gutter. Generally, this feature should be kept off for yearbook panel pages. Flip Layout also includes the ability to reorient the currently select page on a horizontal and vertical axis, which is useful for reusing templates. You can exclude or include the images from flipping - including the images will cause them to mirror their original orientation.

CREATE: ARRANGING IMAGES & TEXT

All creative work is done on the 

tab by adding images and text onto the canvas. Think of the canvas as your workspace, representing a single piece of paper. Images and text live in frames, which are resizable "windows" onto the content they display.

Understanding Frames: Each image and text item lives within a **frame**. When you drag an image on the canvas, you are really moving the frame. The frame pulls the picture or text along with it, like an object nested inside a box.



An empty image and text frame on a blank canvas

A populated image and text frame on a blank canvas

The images displayed on your canvas are **not** full-resolution image embedded on screen. You cannot directly edit, alter or destroy the images on your FotoFusion canvas *(exception: the red-eye removal tool)* . The images you see on your FotoFusion canvas are low-resolution (thumbnail) copies of your images, which are linked back to the original file. Because FotoFusion is working with mini copies of your photos, it allows your computer to use hundreds, even thousands, of images in your project. If the full version of the image was used, then your computer's memory wouldn't be able to handle more than a dozen images in one project.

When FotoFusion creates a final version of your project (rendering it to file, uploading to your yearbook publisher, printing it), it returns to the original file to collect all the missing information from your images, to make a high-quality output, page by page.

***IMPORTANT TIP**:* Because the software works in this manner, it is important not to do the following during the process of creating your book -- you will get "missing images" warning because FotoFusion will not be able to link back to the original images:

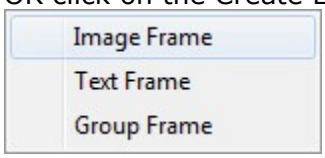
- Do NOT rename your image files after you've added them into a project.
- Do NOT move the image files to a new folder.
- If your project images are on a cd, memory stick or other external memory device, ensure that this device is plugged in before reopening a saved project.
- If your project is saved in on a network (eg. a computer lab), ensure that the photos are available in a folder that any computer using FotoFusion on the network can see the folder with the name folder path.

If you make a project on Computer A with photos saved locally to your C: drive, then save your project to a shared network folder, then reopen the project on Computer B, the photos will be marked as "missing".

If you do get a Missing Images warning, you can reconnect the images by clicking on TOOLS on the menu and then choosing LOCATE MISSING IMAGES. Read more in this manual about the correct procedures to move projects from one computer to another, and how to repair missing images.

Adding Empty Frames: An image frame will automatically be created if you drag and drop an image onto your canvas.
You can also choose to draw empty frames (text, image) to predesign your layout, then populate it with images, or add colors and textures.
To add an empty frame to your canvas, hit INSERT on your keyboard, then choose Image Frame or Text Frame (Windows computers only)

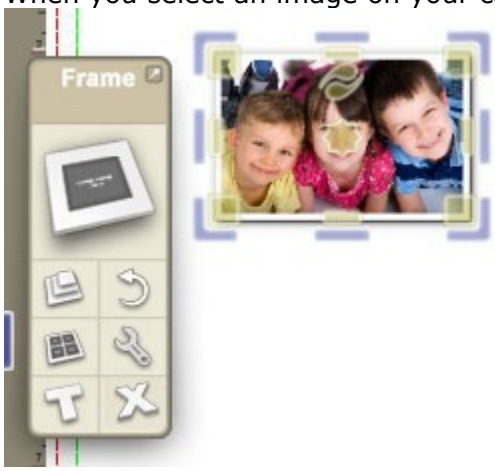
OR click on the Create Empty Frame button on the toolbar



- or, hold the F key (for an Image frame) or the T key (for a text frame) on your canvas, while dragging your mouse on the canvas. A blue rectangle will appear. Release your mouse button and a new empty Image or Text frame will appear.

Image frames will be ready to accept an image (from the Images hover, bucket, Papers hover), and take on new attributes (border options, mattes, gradients, color wash, etc.). Text frames are ready for editing content and style.

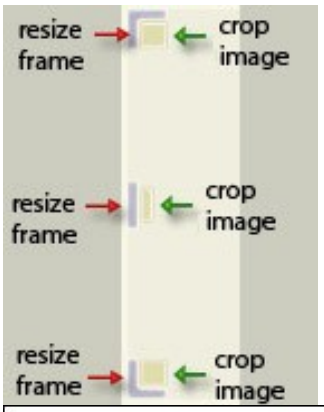
When you select an image on your canvas, you will notice two things:



1) Blue handles, and possibly yellow handles, will appear around the edge of the frame. These handles will allow you to change the size, shape, position and zoom of your image.

2) A toolbox will appear next to the image. The toolbox gives you access to a number of options that can be applied to your frame and image.

Resizing & Repositioning with Handles: To resize a frame (or multiple frames at the same time), select the frame (s), then move your cursor over a resize handle. Press the left mouse button and drag the mouse.



Corner handles will allow you to resize both length and width; handles in the mid-points of the frame will resize either the width or the length of the frame.

Note: image frames (eg. jpg photos) will display 8 handles. Scrap element frames (eg. png embellishment graphics) will only display 4 handles. The reason for this is that embellishments will not resize outside of their original proportions, so they will not be cut off inside the frame.

Image by Kent Smith

To **pan** an image -- meaning to move the image within the frame, move the cursor over the pan handle in the center of the image.

Press and hold the left mouse button, then drag the mouse around until the picture is positioned as you like it. When you are satisfied with the new position for the image, release the left mouse button.

To **rotate** a frame, first, select it, then move the cursor over the rotate handle for that frame.
Press and hold the left mouse button. Drag the mouse. The frame will rotate as you move the mouse.
When you are satisfied, release the left mouse button. You can press the 'esc' key to abort the drag if necessary.

You can rotate the frame 90 degrees by right-mouse selecting it, then choosing Image > Rotate.

Hold the ALT key down while rotating the frame - it will snap to 45 degree increments.

To **spin** the image WITHIN the frame, to correct for a crooked camera angle or for an effect, hold the Ctrl-key on the keyboard while moving your mouse on the rotate handle of the selected frame(s).

To **crop** (zoom in/out), drag on the little yellow interior handles of the frame.
Note: these handles do not appear in "element" type frames, such as clip art, where you would not want part of the decoration to be clipped off by zooming in on part of the image.

Once on your canvas, frames can be **duplicated** (Ctrl-D), **copied** (Ctrl-C), **pasted** (Ctrl-V), **cut** (Ctrl-X) and **deleted** (Delete key).
Frames can be moved on the canvas by selecting one or more frames, then dragging them to a new position. A selected frame will also move if you tap on the **arrow keys** on your keyboard. For even finer movement control, hold the Shift key on your keyboard while you move the frame(s) with your arrow key.

Frames can be **multi-selected**, to let you make changes to several frames at once. You can:
- draw a marquee (lasso) a group of frames on your page
- click on one frame then choose Ctrl-A to select all like-type frames
- hold the Ctrl key and select individual frames to add into the selection

Whenever you move or resize a frame, it will try to align itself with the edges of nearby frames; this helps you produce neatly-arranged collections of images. This magnetic effect is felt anywhere a vertical or horizontal edge of a frame is shared with other frames. When multiple images share an edge, then FotoFusion allows you to affect both images at the same time by manipulating that shared edge; a '**Snap**' (a small draggable control) is placed on ruler at the position of the shared edge.

The frames on the canvas are **stacked** in the order they were dropped, like a cards laying on top of each other on a tabletop. If two frames overlap, one will appear in front of the other. You can change the stacking order. First, select one of more frames, the right-mouse-down on the selection. Choose to Bring forward / Send backwards, or Bring to front / Send to back from the list of options. You can also use keyboard shortcuts to change the order: Ctrl-U (Bring Forward 1 layer at a time); Ctrl-Shift-U (Bring To Front); Alt-U (Send Backwards) and Alt-Shift-U (Send to Back).

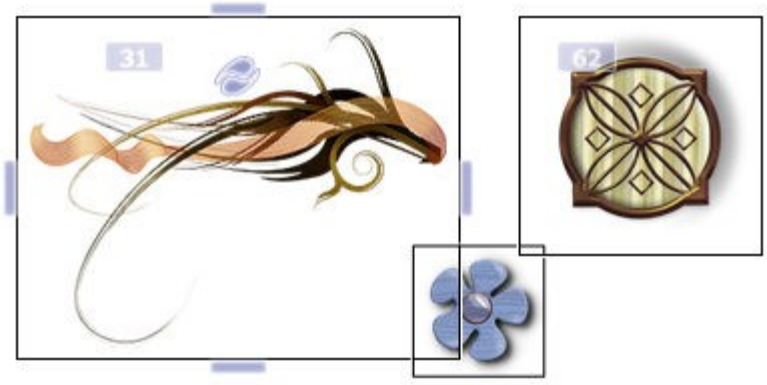
Other options to change the order of the frames can be found on the Arrange toolbox item (see below) or by clicking on the

button, to see the entire hierarchy of your project.

There are two types of frames - image frame and a embellishment-type frame. They behave sightly differently in relation to the above-mentioned features.

An **image frame** displays eight corner handles, allowing you to resize the image - panning, zooming, and repositioning it within the frame. Standard image types such as jpg, tiff, etc. will by default drop onto the canvas in this mode. Another way of describing this is that the frame's aspect ratio (length to width ratio) is unlocked.

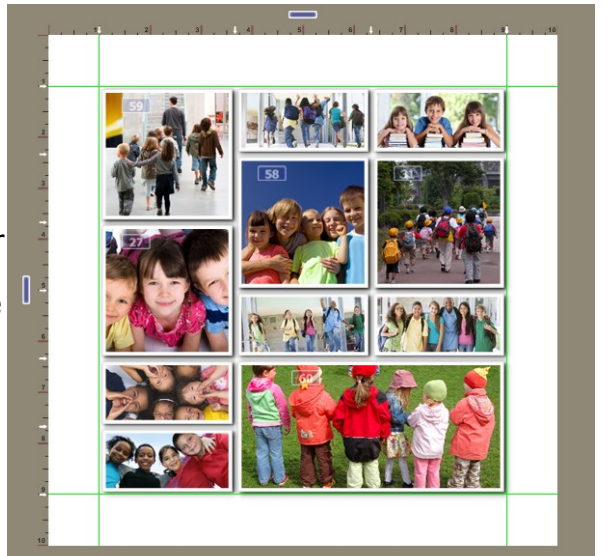
An **embellishment-type** frame display only four handles, and resize proportionately. Png and other formats commonly used for clipart (with transparency) will drop onto the canvas in this mode. FotoFusion assumes that you don't want to crop out part of the clipart, so doesn't display the corner handles to reshape the



frame. Another way of describing this is that the frame's aspect ratio (length to width ratio) is unlocked.

You can change the frame type by right-mouse selecting your image frame, then selecting Image > Type. If you want to lock the aspect ratio of any frame so it will no longer resize out of proportion, select the frame and hit "A" on your keyboard.

Resizing and moving images (and text) as a group: You can resize a selection of frames at the same time, maintaining their relative position to each other. Multiselect any images on your canvas, and then type "G" on your keyboard (or right-mouse select the selection, and choose Position> Group. For example, here is a canvas filled with autocollaged images.



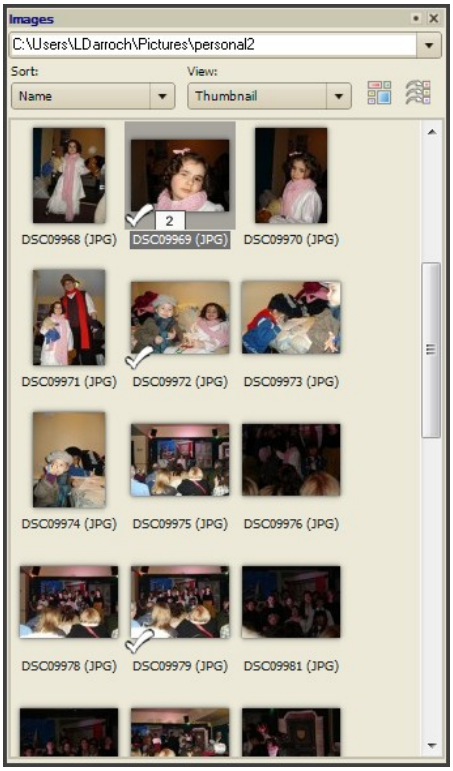
Select all the images, then group them (Hit G on the keyboard). There will now be ONE set of handles for the entire selection.

Use the handles to resize the selection, and the rotation handle to reposition. You can toggle the "lock aspect ratio" option by hitting A on your keyboard, so the group will resize porportionally.

To ungroup the selection, right-mouse select it, choose Position > Group > Ungroup (or use the keyboard shortcut, Ctrl+Shift+G).

IMAGE FRAMES

Adding Images to Your Project: Images can be dropped onto a blank space on the canvas, or into an empty frame. **To drop an image to cover the entire background of the canvas,** drop it outside of the canvas in the dark grey area. Once dropped, images can be swapped from one frame to another by clicking on frame number for one image. eg.: then dragging the mouse over the frame you would like to swap with.

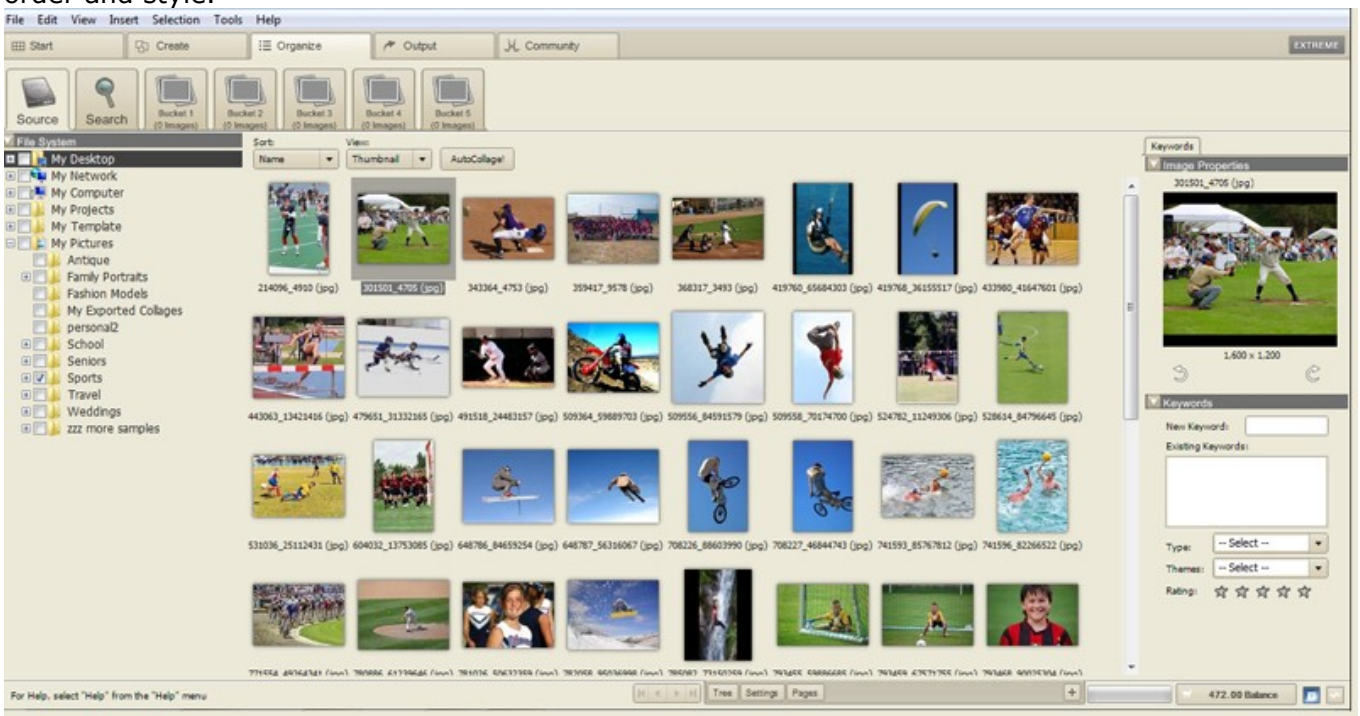


Adding Image via the Images Hover: The easiest way to drop an image onto the canvas is through the hover. Click on the button to navigate to the folder where your images are located. Select the image(s) you wish to use (hold down the Ctrl key to select more than one imageor drag your mouse over a group of images). Drag the selection onto the canvas - the selected images will appear in the dropper.

DCS_10398.jpg
Size: 1,273,248 bytes, Width/Height: 2,356 by 1,571
CLICK: Drop Image, CTRL-CLICK: Drop Copy, SHIFT+CLICK: More Options, WHEEL: Next/Prev,
CTRL+WHEEL: Resize, ESC: Exit

Once you have added images onto the Image tab, they will be checkmarked in the Image hover. You can drop an image more than once on the canvas. The image is checkmarked and the number of uses is displayed.

To bring images onto the canvas in a more organized manner, use the Organize tab then select the Source tab to navigate to the folder(s) where your images are stored. Place a checkmark next to one or more folders. Thumbnail versions of the images inside the selected folders will appear in the preview area. You can use the Sort options and View options over the preview area to change their presentation order and style.



Note: Checkmarking an upper level directory will not display the images contained within it.
To select all subdirectories within a root directory, hold the Control key on your keyboard while clicking on the check box. (Repeat to uncheck all).

If you would like to increase the size of the preview thumbnail views, then click inside the preview area, and, while holding the Ctrl key on your keyboard, use your mouse wheel (or the up/down arrows on your keyboard) to change the size of the thumbnails.
(To change the way your mouse wheel scrolls functions, click on the EDIT menu item, and choose USER PREFERENCES.)
From the preview area, you can now double-click on an image to preview it in a larger viewer; select a group of images and then AutoCollage! them on your canvas; add keywords to an image or multiple images from the Properties area, so you can search for the images on the Create tab's Search button; or drag one or more images into the Buckets tabs (or type the corresponding bucket number), to triage your photos into categories of your choice. **Buckets** are a particularly useful feature to pre-organize a multipage project by dividing the project into separate sections (eg. a wedding, with sections for the bride's prep, the wedding ceremony, portraits in the park, the dinner, the reception, etc.), or to make separate chapters (eg. a yearbook, with sections for different clubs). Right-mouse select in the buckets area of the organizer to add up to nine buckets. The contents of the buckets will be saved with your locally-saved project.

Image Frame Options

Once images are on the canvas, you can manipulate their styling via the **Toolbox.** Select any image frame on your canvas to access the associated toolbox. You can:

- Interactively edit the selected element;
- Open an editor for more precise controls
- Access additional selections, such as frame order, rotation, splitting, adding text, and other features.

Interactive editing: Many of the controls in the toolbox can be dragged interactively; doing so will change a feature related to the selected object. To drag, simply press the left mouse button onto one of the icons in the toolbox and move the mouse.
In this example, the mouse is dragging the frame border control, resulting in a wider border.

Some controls, such as Shadows, can be dragged both left/right (shadow offset) and up/down (shadow blur). You can press 'esc' before releasing the mouse button to cancel the changes if necessary.

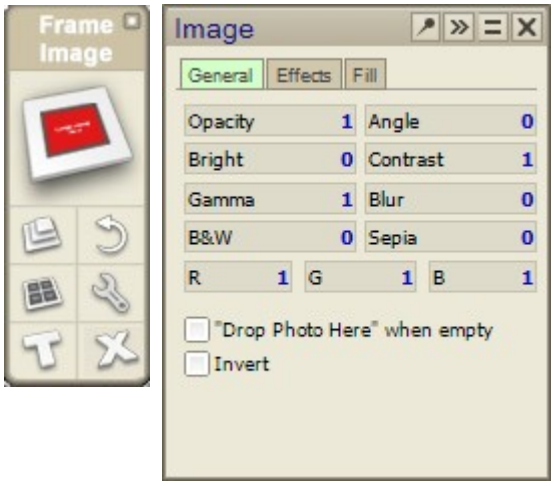
Opening Editors with the Toolbox: Clicking on a control in the toolbox will open a floating editor which contains detailed editable parameters.

1. *Image* allows you to adjust the properties of the image. Mouse-down and drag to change brightness, contrast and gamma; click down to open the Image Editor for more options.
2. *Border* allows you to adjust frame shape and border properties. Mouse-down and drag to change the border width; click to open the Frame Editor.
3. *Shadow* allows you to adjust the shadow properties. Mouse-down and drag to change blur, offset, etc; click to open the Shadow Editor.
4. *Arrange and Distribute*: click to open the Arrange tool, to position your frame on the canvas relative to the edges, center point, and other frames.
5. *Splitter Tool*: allows you to cut one frame into several equal-sized frames. Mouse-down and drag to divide the frame into rows and columns; click down to open the Splitter tool for finer control, and to turn on the mosaic option.
6. *Text* will add an attached text to the selected frame.
7. *Orient*: Spins and flips the frame.
8. *Tools* accesses the Red-Eye Removal tool and the Matte Cutter Tool

(Extreme only)
9. Delete: remove the currently selected frame.

The Image Editor enables you to change the way image itself looks within the frame.

Select one or more frames on the canvas, and, from the Toolbox, click on the Image Editor.

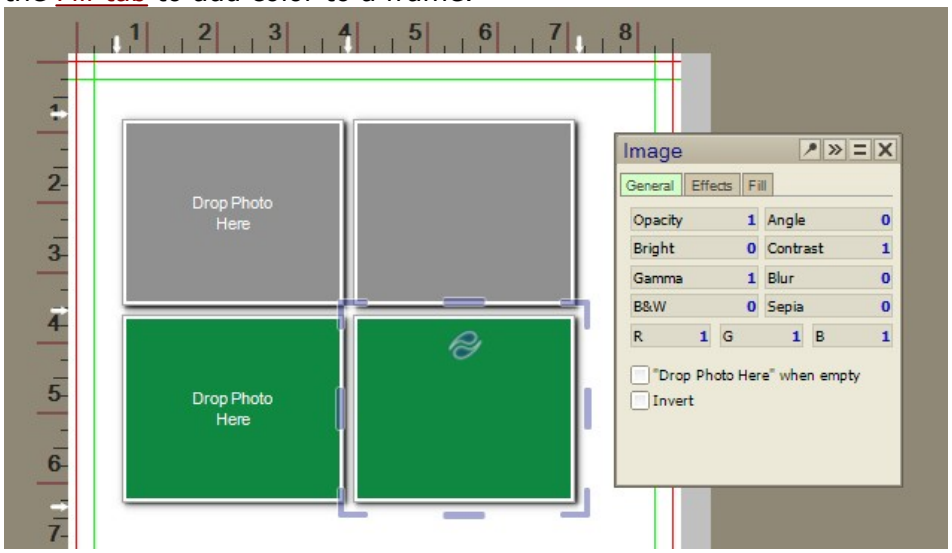


The General tab of the Image Editor contains controls for:

- **Opacity**: Will make your images more or less transparent (see-through).
- **Angle**: Images can be rotated inside their frames, for example to correct for a tilted camera or reorienting an image within a gradient matte. This effect can also be accomplished directly on the frame by spinning the image via the frame rotation handles while simultaneously holding the Ctrl key.
- **Brightness**: Make your image brighter or darker overall - but be careful if you are not working on a calibrated monitor as your finished printed image will not match your on-screen version!
- **Contrast**: Increasing the contrast will make the shadows darker and the bright points brighter.
- **Gamma**: Changing the gamma controls both the contrast and the brightness in relation to one another.
- **Blur**: Blurriness can be used to create a sensation of depth of field: making a background image blurry will give the viewer the impression that a foreground image is floating in front of it.
- **Black & White and Sepiatone**: Move the Black & White and Sepiatone sliders to adjust the amount of these two effects; your pictures will desaturate (and look older) as you bring these controls to the right.
- **RGB**: The R, G and B sliders give you direct control over the color of your image. For the technically minded, these controls are offsetting the red, green and blue color curves for the image.

Photo by David Ziser

"Drop Photo Here" can be turned off to create an empty frame, useful for a color block. You will not be able to accidentally drop an image into the frame if this check-box is off. See below to learn how to use the Fill tab to add color to a frame.



Bottom right frame is selected - "drop photo here" is turned off in Image editor.

The Effects tab hosts blending modes - a series of effect that allow you to enhance your images in unique and beautiful ways.
Image blending modes can be applied to a single photo or "mixed in" with the canvas. Blending mode

effects are non-destructive (they do not affect your source images). They act as invisible overlays where the image color, saturation and other properties interact with itself or with the image(s) behind it.

Preset Effects: Enhanced & Extreme users can employ a series of presets to transform images in one-click. Select an image on the canvas, and use the drop down menu on Image Editor's Effects tab to try out different effects on your images. Enjoy our "Blending Mode Café"!

Image by Kent Smith

Custom Effects: Extreme users can create their blending options and create your own recipes. The possibilities are endless.
The effects are separated into three types: Unsharp Mask, Image Blend, and Background Blend.

Unsharp mask is a powerful tool to "sharpen" photos. Contrary to what the name may imply, sharpening does not mean restoring details to an out-of-focus photo. Sharpening refers to the contrast difference between light and dark within an image.
Increase the Radius to apply the effect - you will notice that brights get brighter, and darks get darker. Amount controls the degree of intensity of the effect, and Threshold affects the interaction of adjacent pixels with more contrast.

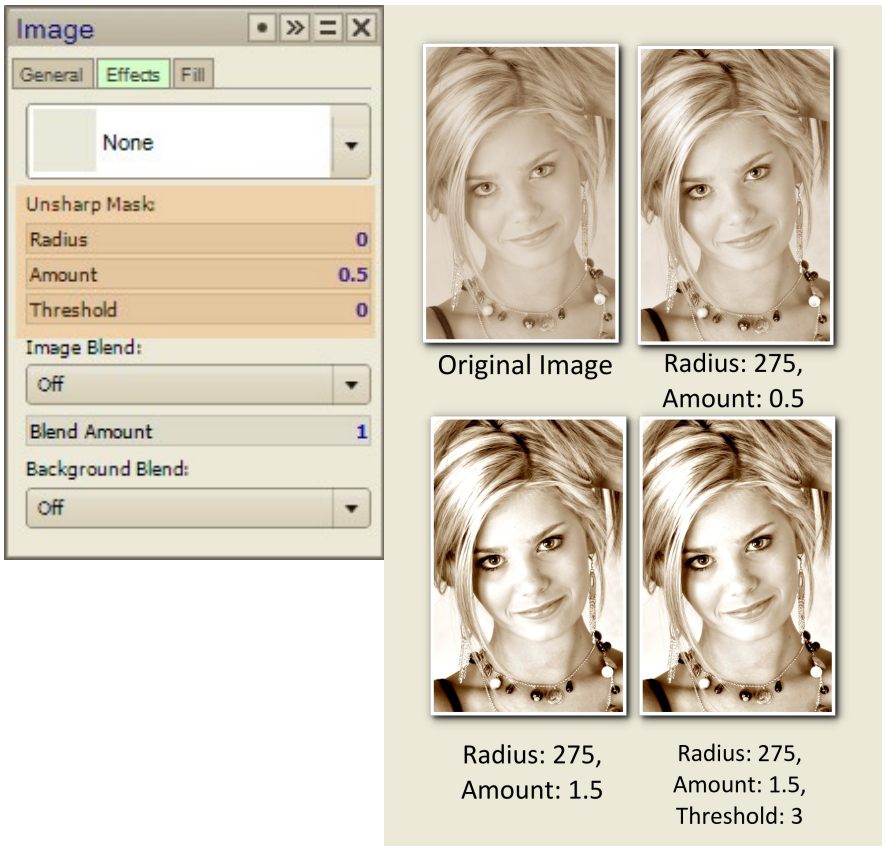


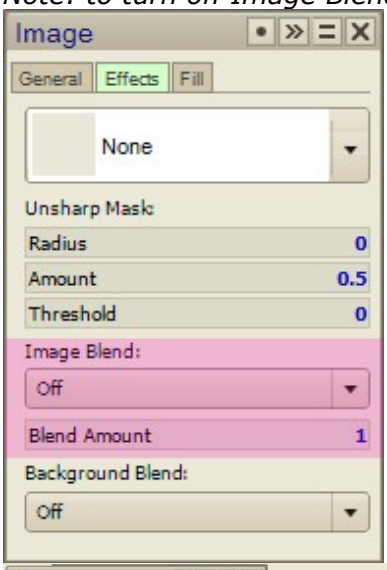
Image by Kent Smith

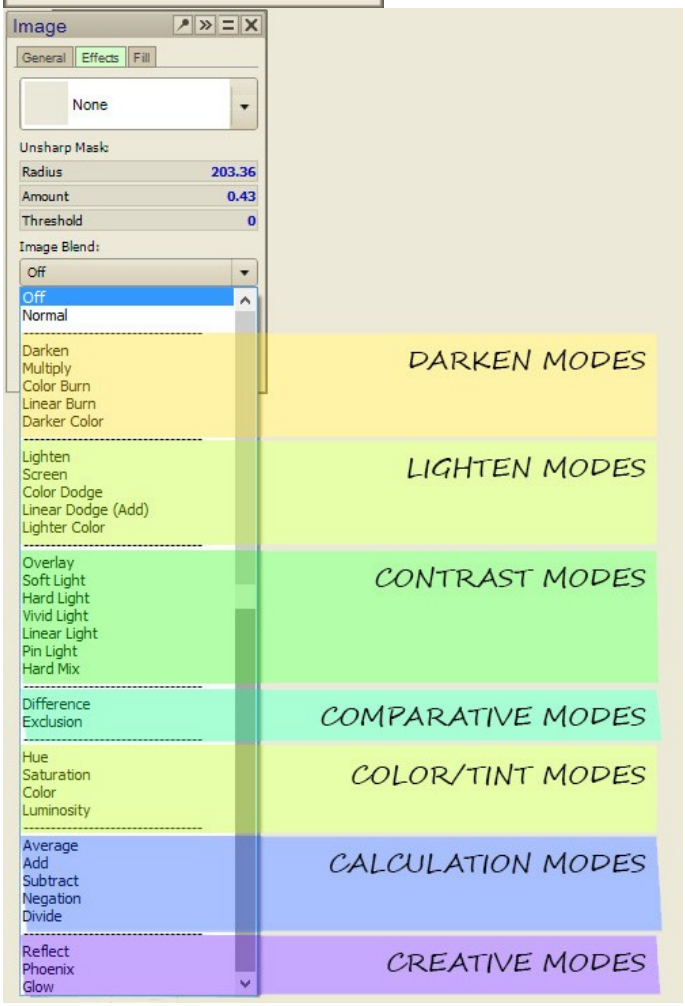
Note: If you plan to use FotoFusion's not-destructive sharpening effects, be careful not to pre-sharpen your images (in your image editing software). Oversharpening will produce "artefacts" (stray pixel effects) that are undesirable. Recommended settings: Radius between 100 and 300; Amount: between 1 and 5; Threshold: dependent on the image itself

A great use for Unsharp Mask is known as "defog" - set the Radius 200 and the Amount to 0.5. This will increase contrast on edges to produce great contrasty looking images. The Defog technique is very effective on black and white images in particular.
Note: Be sure to zoom in on your photos when applying Unsharp Mask as applying it on a thumbnail sized image may lead you into overdoing the sharpening

Image blend will affect the selected image frame itself - some people refer to it as "blend with self" mode, as if the image had been duplicated on top of itself. The effects will apply to the "top" copy of the image. The Blend Amount slider will impact the Effect layer only - how it blends with the source image.

Note: to turn off Image Blend, be sure to set it to "Off" not to "Normal".

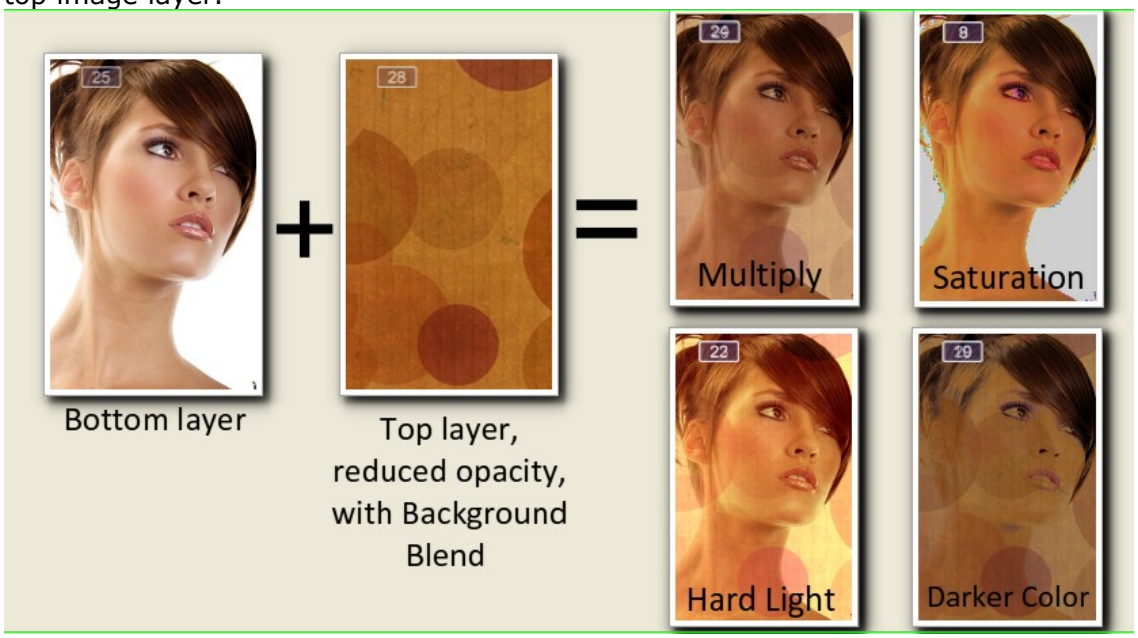




If the image frame is empty (no photo, just a "drop photo here" frame), Image blend can be used to affect the image behind the empty frame. In earlier versions of the software, this was called the "Use

Image Background as Source" option. It allows you to apply effects on a particular area of a layout. Adding a matte to the empty image frame will greatly enhance the effect.

Background blend effects how a frame blends with the background behind it. This method is very efficient to blend textures with what is on the canvas (one or many images). To reduce the opacity of the effect, use the opacity slider under Image Editor's General tab, as you won't be able to see through the top image layer.

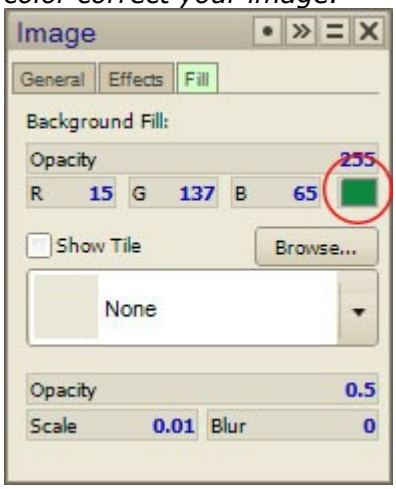


Try the following soft focus effect to learn how to use these custom tools:
1) Drop and image on the canvas
2) Go to Image/Effects
3) Change Image Blend to "Normal"
4) Change Blend Amount to 0.6
5) Go to Image/General and increase Blur...
6) Adjust Blur + Blend amount to taste!
7) Click on >> to save the preset
You can take this basic effect to the next level by simply changing the Blend Mode (Image Blend) to Overlay to create another classic "glamour glow" effect.
To reduce the color shift caused by the Blending mode, use the b&w slider under the Image editor's genera tab. Note that the desaturation only effects changes to the top blending mode layer, so the image will not turn black & white.

Next, try using the Gamma Slider on the General tab, to open up the shadow areas of your image.
Try enabling the Invert option under the General tab, to really give your image an extra "punch" - it will bring back the details.
Use the RGB values on the Image Editor's General tab to create a cross processed look.
Blending modes are very powerful. The source image will impact how they appear, so a recipe that works on one image will not work on another in the same manner. Try applying the presets on various images to see what they can do - then play/edit with the properties to learn what they do. Any custom settings can be saved as a preset by clicking on the >> button, to save as a named preset.

The Fill tab allows you to add color and texture to a frame. Use this effect to add a color-wash to an image, to fill an empty frames with color, or add a texture effect to your image

Note: This control will apply an overall cast to the entire image. Use the RGB sliders on the General tab to color correct your image.

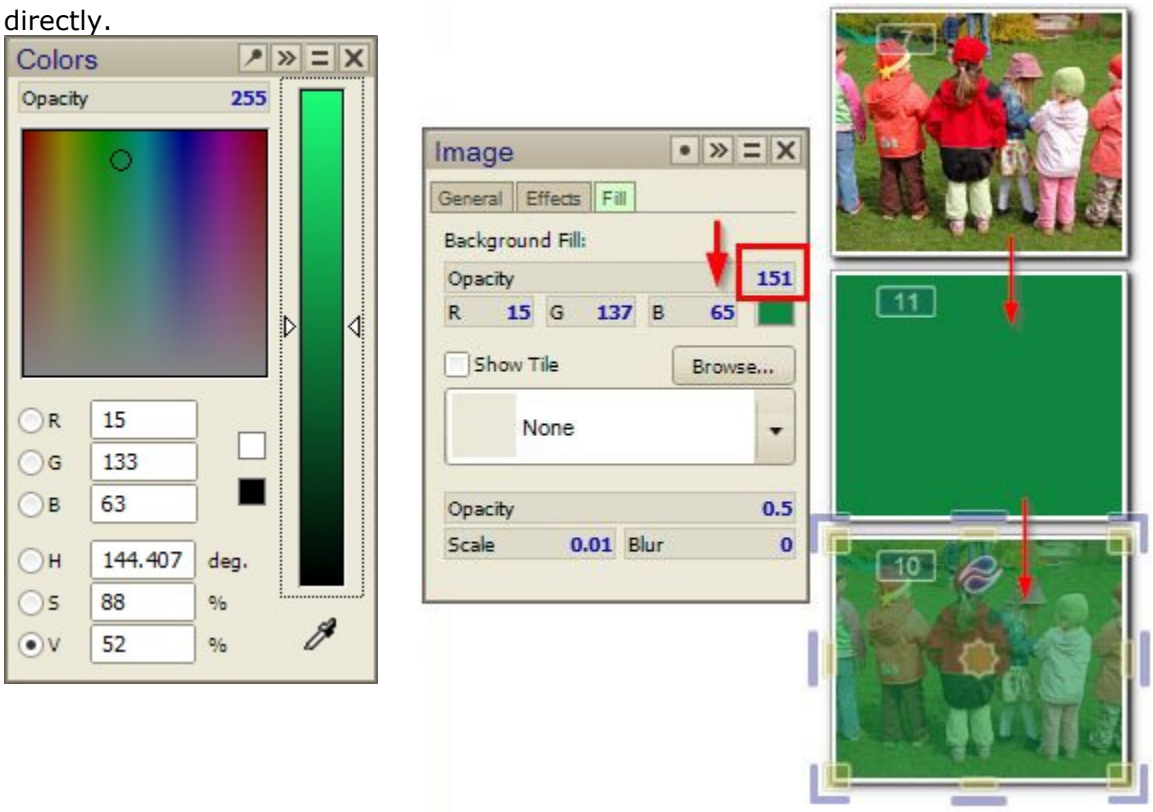


Background fill adds color to your frames.
Dial the opacity down to mute the effect.
Change the color via the R G B controls, or click on the color chip to open the Color editor...

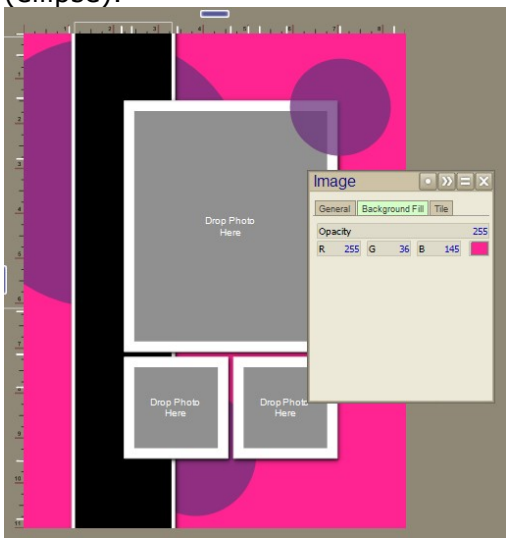
Select a color from the spectrum, or use the eyedropper control to select a color from your project

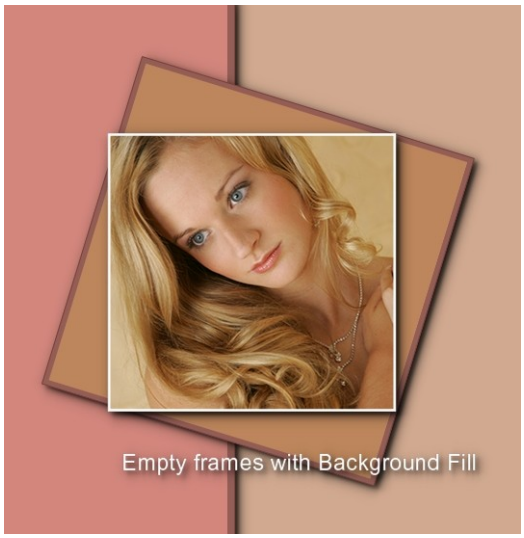
Dial down the opacity - the image will show through the color.

directly.

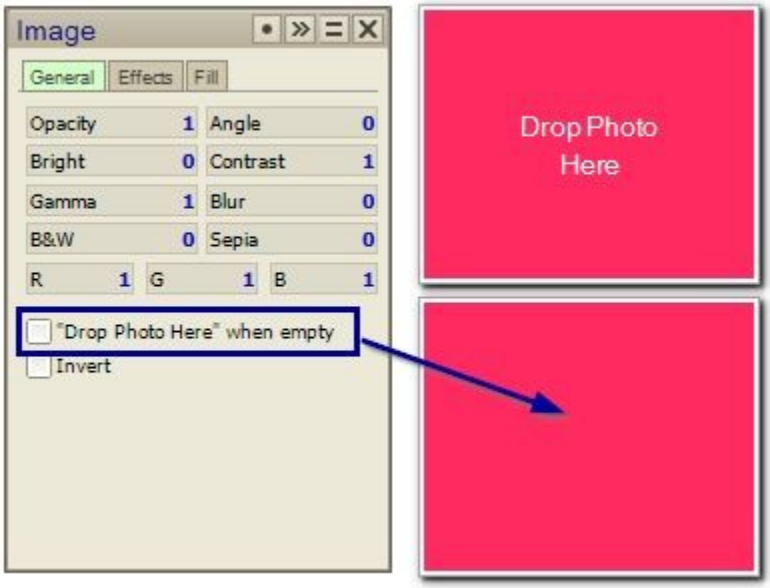


Here are two examples of using color blocks to create a layout (one is a template, the other a completed composition). The canvas background is 100% opacity with a color applied. Some frames use the frame border to provide edging. Others, such as the purple dots, are set with a reduced opacity and a matte (ellipse).

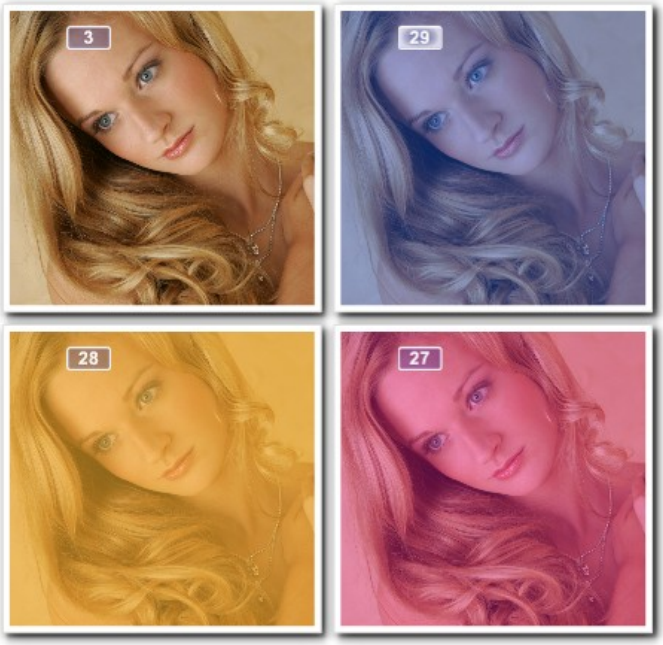




Note: when making color blocks, be sure to turn off the "Show Drop Photo Here" checkbox on the Image Editor Basics tab. This will prevent you from dropping an image into the color block.

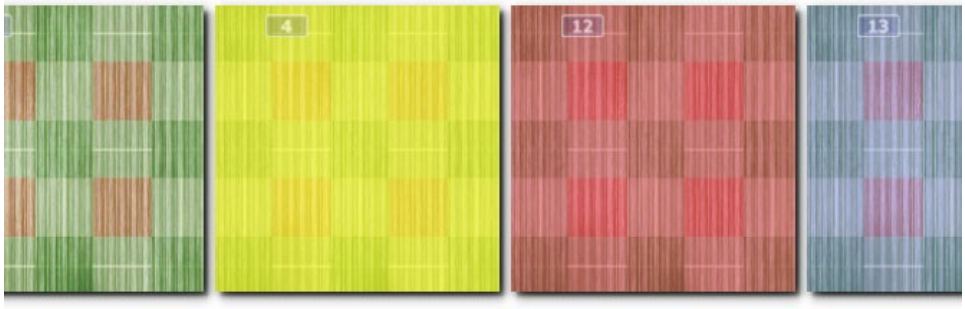


You can add a color wash effect to frames containing images.
Here is an example of applying different colors and opacities to a frame background will do to an image.

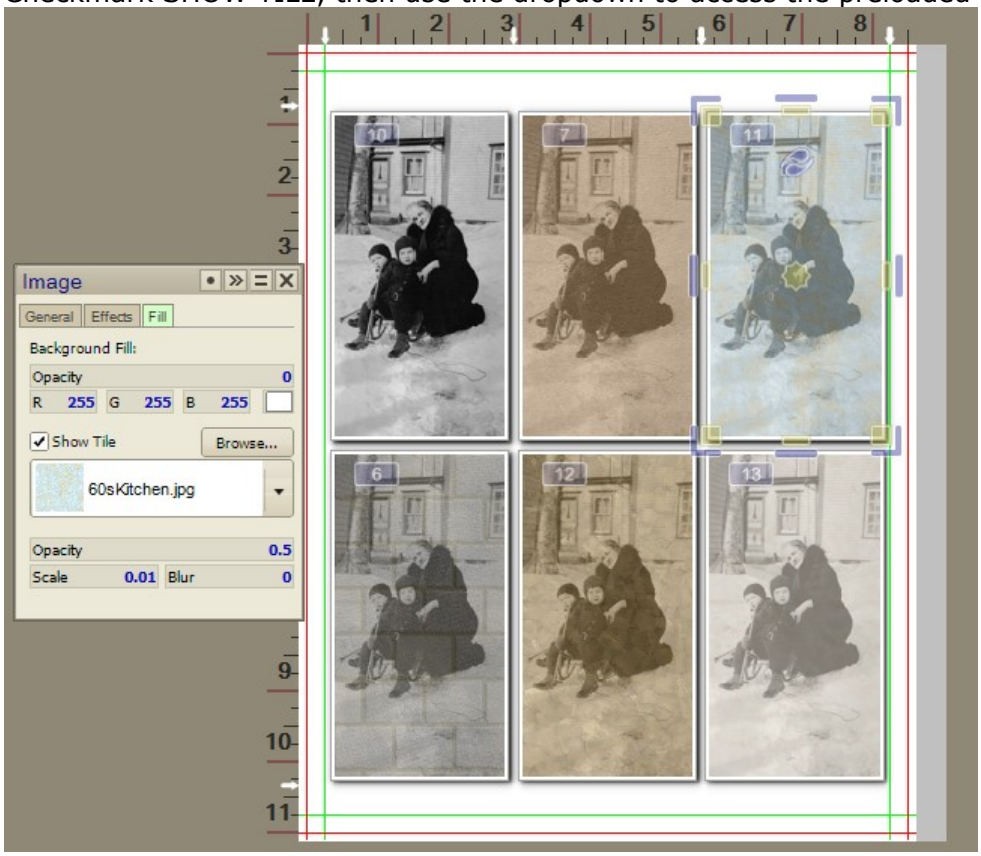


If you drop a background paper into an empty frame, you can retint it with the background fill tool to a

new shade.



Similarly, you can use the Tiles feature to add a texture to your image.
Checkmark SHOW TILE, then use the dropdown to access the preloaded tiles to your image.

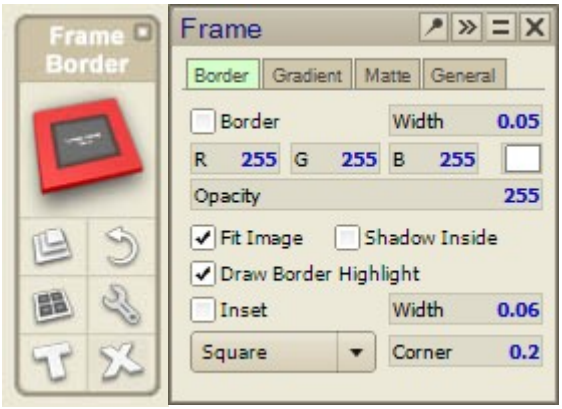


You can increase or reduce the opacity of the effect, change the scale (size) of the tile, or blur the effect to make it less intense.

The Frame Border Editor

changes the exterior portion of your frame.

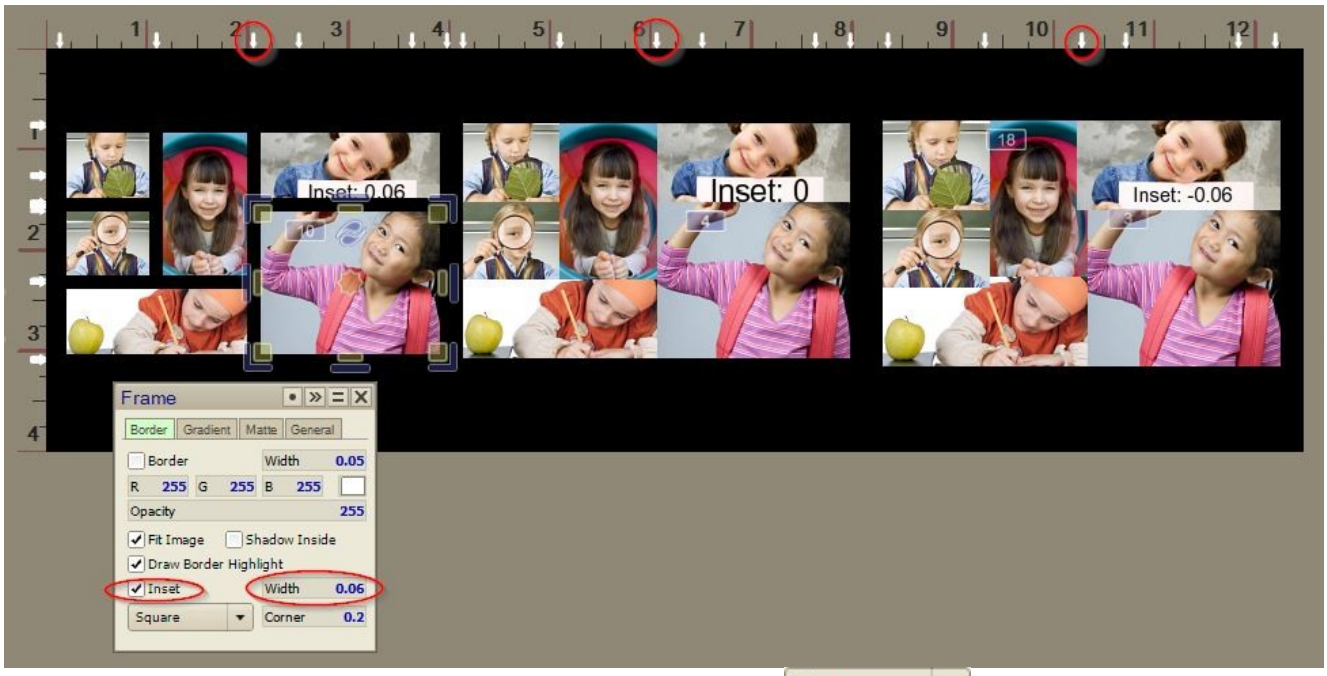
Select one or more frames on the canvas, and, from the Toolbox, click on the Image Editor.

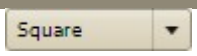


The *Border* tab of the Frame Border Editor contains controls for:
Border Width*:* Dragging this control makes the border thicker or thinner. (Turn the Border checkbox off to remove the border completely.)
Border Color: Drag the R/G/B controls to adjust the Red, Green and Blue channels of the image directly; alternatively you can click the color chip to open the color editor to specifically target a color, or use the eyedropper to select a color directly from your composition.
Border Opacity: Allows you to turn down the transparency of the border.
Fit Image: The entire image to fit into the border when checked. Unchecked, a portion of the image will be obscured by the border.
Shadow Inside: This will cause the image, not the border, to cast a shadow; this is useful for attaining 'glassy' borders on frames.
Draw Border Highlight: Disabling this removes the 1 pixel contrast line on the outer edge of the border.

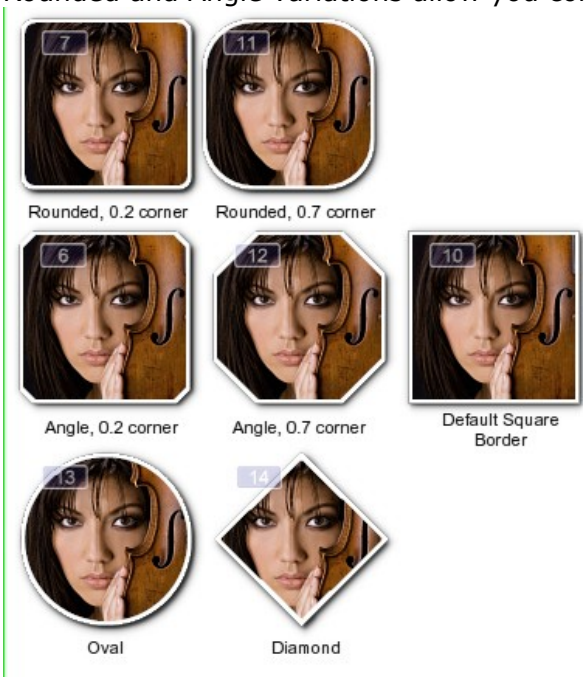
Image by Kent Smith

Inset: The inset value provides an automatic spacer between adjacent frames. If the inset is reduced to 0, then frames will touch at their edge. Increasing the inset will provide more space between frames that are snapped together.



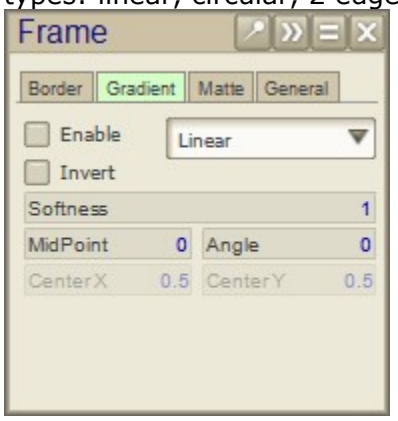
You can change the shape of the frame by clicking on the 

button, and the corner angle. Rounded and Angle variations allow you control the degree of corner effect.



The Gradient tab of the Frame Border Editor applies a special effect that will fades your image gradually to transparency. Turn the gradient on by checkmarking the Enable box, then choose one of six gradient

types: linear, circular, 2 edge linear, rectangular, 4 edge linear, and diamond.



Invert: The gradient direction is reversed.

Softness: The edges of the gradient are softened or sharpened.

Midpoint: Increases or decreases the "highlight" zone of the image

Angle: Rotates the gradient.

Center X / Y: When the Rectangular, Circular and Diamond gradients are selection, you can define the location of the highlight by altering the two center point axes with these controls.

Image by David Ziser

Gradients can be applied to frames containing images, textures or to empty tinted frames for a variety of creative effects. It can be used to soften images, or apply texture or colour effects.

Images by Kent Smith

The **Matte** tab of the Frame Border Editor contains controls for the cut-out shape of the frame.
A matte is a "hole" which can display an image, a color or a texture.

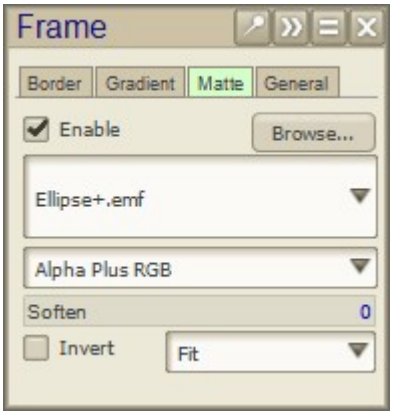


Image by Stephen Eastwood

The default matte for a new image frame is a straight-edged rectangular shape.
The drop box under the matte selection area (alpha plus rgb/average rgb/alpha only) changes what part of the matte shows the images (usually only useful for homemade mattes).

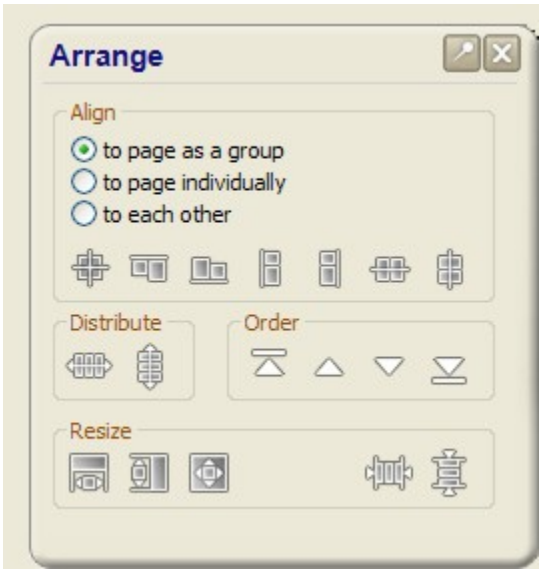
Soften controls the edge of the matte (crisper or more diffuse) while **Invert** reverses the part that is transparent and the part that holds the image.

The **Fit/Lock Aspect/Crop** with Image dropbox changes the relationship of the image and the frame shape. Fit is the default mode, where a maximum of the image is shown within the frame; lock-aspect fixes the width of the matte; crop with image fits the matte to the image shape.

Click on the little down arrow to see a limited default set of mattes that are preinstalled on your computer, or choose BROWSE to open a search hover containing many more styles, including textures and shades. This will launch a Search hover pointed at your selection of mattes, which can be dropped onto your image.

Arranging & Distributing Frames: The Image Toolbox provides access to a series of arrangement options, to organize a single frame or a multiple selection of frames in relation to each other. To quickly change the "stack" order of a selected frame or frames on your canvas, click and drag on the "Arrange" icon on the tool box. The selected frame(s) will move up or down the stack accordingly. To access more options, select one or more frames, then click on the "Arrange" icon:

which will launch the list of available options...



First, decide how you will be using the tool to Align your images:

- to a page as a group: all selected frames will move as one item.*
- to page individually: all frames will follow the instructed alignment command as if they were the only element selected.
- to each other: to distribute a multi-selection in relation to the total area occupied by the selected frames.

Alignment options include:

- dead center positioning: selected frames will reposition in relation to the center point of the canvas;

- flush to the top, bottom, left and right edges;
- to the center horizontal line or vertical line.

Distribute options include:
- spacing all selected frames evenly across the horizontal axis;
- spacing all selected frames evenly across the vertical axis.

Ordering options include:
- moving selected items to the top or bottom of the frame order stack;
- moving selected items up or down one step in the frame order stack.

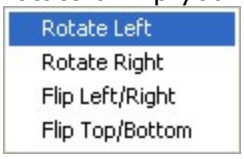
Note: Reordering your frames can be done interactively, directly through the Toolbox's Arrange icon. Drag on the icon, up and down, to move your selected frame to the top or to the bottom of frame order stack.

Resizing options include:
- applying the size of the last selected frame to apply its attributes as specified to other selected frames;
- matching the reference frame's width;
- matching the reference frame's height;
- matching the reference frames total dimensions;
- resizing selected frame to the full width or height of the canvas (or to the safe guidelines).

* Please note: if you have your canvas set to "double page spread", the alignment tools will respect the center line. For instance, a group of images aligned to center will either align to the left page or right page, but not the gutter.

Orienting (Rotating & Flipping) Images:

Images can be flipped left/right and top/bottom via the Image toolbox.
Click on a frame to select it, then, from the toolbox, select the rotate option to open the Orient tools to rotate or flip your images.



Splitting & Merging Frames (***Covered by U.S. Patent 7,403,211. Other patents pending.):*** Frames can be split into two or more smaller frames. Any new or existing frame on your canvas into a grid, by selecting an existing frame or by drawing an empty frame. With the splitter, you can create an evenly space grid. In this example, we've split a frame into eight parts.

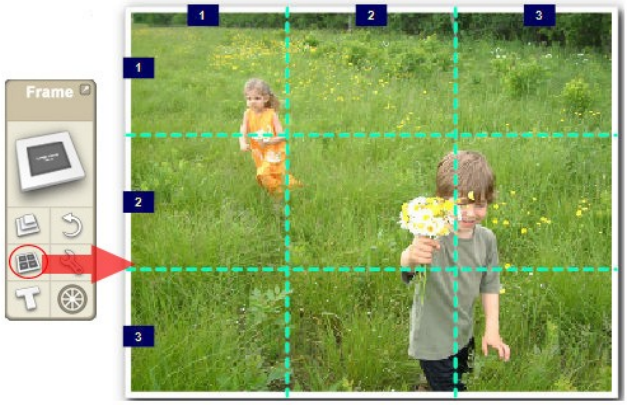
You can also several split operations one after the other to get an interesting arrangement of different-

size frames:

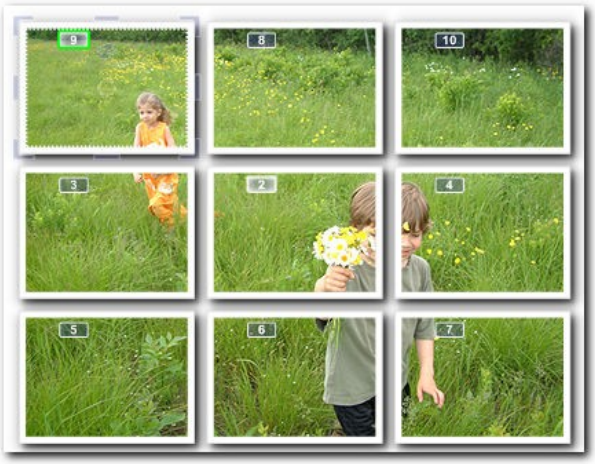
Splitting using the Toolbox

1. Select the frame or frames.
2. Move the cursor over the 'split' control on the image toolbox:

3. Press down and hold the left mouse button.
4. Without releasing the button, drag the mouse to the right and down. As you do this, lines will appear on the fra

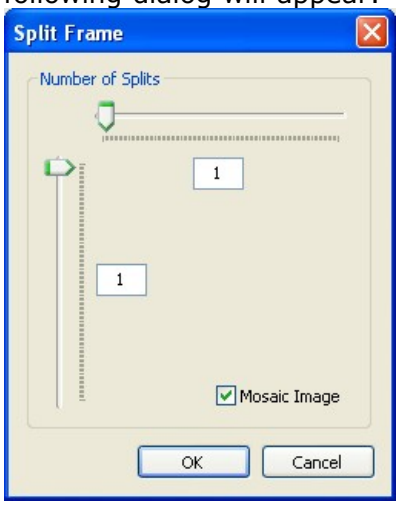


5. Release the left mouse button. The frame will be split into the selected number of frames:



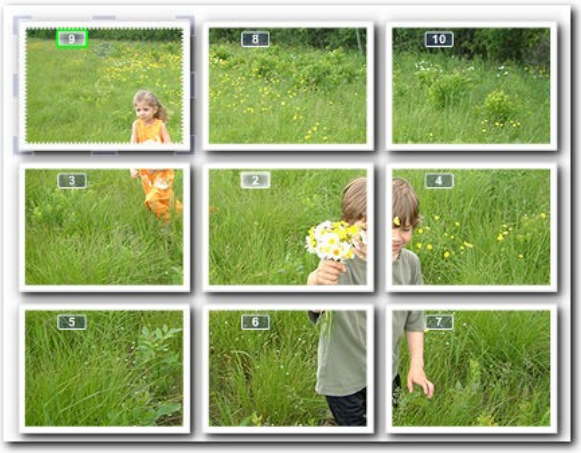
You can press the 'esc' key to abort the split operation if necessary.

Splitting using the Split Editor: Select at least one frame, then either press the T key, or Click (don't drag) the Split button in the image toolbox, or select 'Split Frame' from the Tools/Frame menu. The following dialog will appear:



Select a number of horizontal and vertical splits, then click 'Okay' or press 'Enter'. You can uncheck the MOSAIC box to create a grid, with the image appearing only in the first box.

Merging Frames: Multi-select all frames you wish to merge (either draw a marquee over adjacent frames, or hold the Control key on they keyboard while selecting the frames individually. Right-mouse-down on one of the selected frames. Choose POSITION > Merge from the resulting pop-up menu (or click Alt-M on your keyboard).

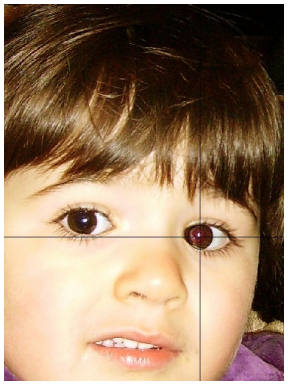


The collage produced by subdividing frames is no different from one created by AutoCollaging or by manually moving and sizing frames into alignment; the frames are independent and can be rotated and

resized as you like. The splitting is merely a way to ensure that the images start off tiled neatly one against the other. The images within each frame can be inset to reveal the canvas background or shadows cast by frames in the collage while remaining in a grid. You can save your layout as a template if you are pleased with the composition.

Red-Eye Removal is an add-on application that will open your selected photo and allow you to correct red-eye problems in your photos. To use the red-eye removal tool, select the image frame in question, which will expose the Image Toolbox. Select the TOOL option, then the Red-Eye removal tool.

This will open your image in a new window.



Position the target over the iris you wish to correct.

Zoom in and out by either hitting the + and - keys on your keyboard, or, if you have a mouse with a wheel, zoom in and out by turning the wheel.

When you have the iris within the target, click on your left mouse button. This will remove the red and replace it with a more appropriate color.

In this example, the left eye has been corrected, and the right eye has been targeted for correction.

When you are done, click the button to close the editor. You will be prompted to save your file -- do so if you are satisfied with the results of the correction. Please keep in mind this action will overwrite your original image file. FotoFusion will then ask you if you would like to refresh the image on your canvas -- select YES to view the changes on your canvas.

The **Matte Cutter** tool allows you to contour a portion of an image frame, and blot out the remaining areas. The matte cutter does NOT affect your original image. To use the matte cutter tool, select an image frame, which will expose the Image Toolbox. Select the TOOL option, then the Matte Cutter Tool.

A new window will appear with your image contained within it. You can resize the window by pulling on its edges, and zoom in and out of the photo using your mouse wheel or by tapping Ctrl + or Ctrl - on your keyboard. Resizing the window will allow you to expose more ore less of the image.

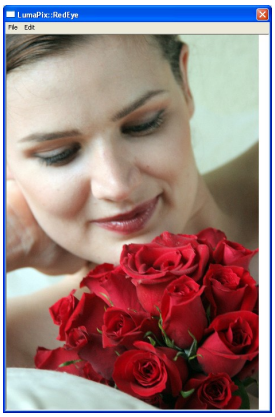


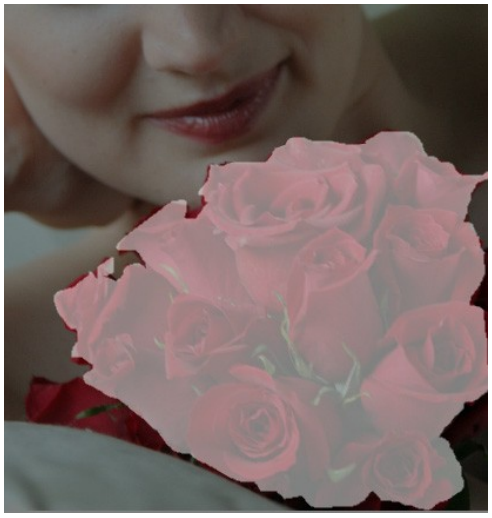
Image by David Ziser

In this example, we will be extracting the bouquet from the rest of the image.

To draw the matte, simply click and draw around the edge of the area you wish to extract. A red line will follow the cursor. Do not worry if it is not perfect, as you can go back and fix it afterwards.

Please note, you are drawing freehand. The line is not snapping to the image in any manner.

To restart, hit the ESC key twice.



When you have finished outlining the whole area, the image will look like this - the matted portion is highlighted, and the background, to be hidden by the matte, is grayed out.

To adjust the edges of the matte, simply click and redraw near the matte.

- If you wish to extend the matte further than the current edge, draw outside the matte to add to the highlighted area.
- If you wish to reduce the matte back into the image, click inside the matte and redraw the contour, erasing the area you do not wish to have covered.

When you are satisfied with the results, click on FILE >> Exit to close the editor.
Your image will refresh to display the matted image on your canvas.

The frame can be resized -- note that the frame borders are those of the entire unmatted image and not cropped to the edge of the matte.
You cannot move the image with regards to the matte. It is locked to prevent the image edges from moving outside the contour of the matte's edge.

If you accidentally resize the frame and cut the image off, then right-mouse-down on the frame and select POSITION > Size > Resize frame to fit image. Then entire image will be exposed.

After you have added your custom matte, Image Editor attributes can be applied, eg. brightness, tinting, etc. You can also soften the matte in the Frame Editor, to soften the edges.

To turn off the matte, click on the frame, open the Frame Editor and uncheck the matte.

The Frames Hover:

On the main Create screen, click on the Frames hover to open a collection of decorative borders. These are not simple matte cutouts, but a combination of a graphic and a matte and a shadow, which can be dropped onto your images or as blanks on the canvas (to which an image can be added afterwards).
The Frame border editor can be used to control the width of the border for many of the frames, as in the example below.

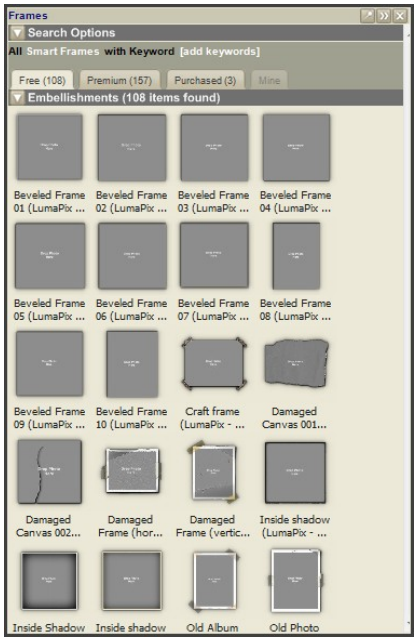


Photo: Kent Smith

The Canvas Background is nothing more that a locked down image frame. It will not display the blue selection handles, only yellow ones. If you select on an empty portion of the canvas or outside the canvas, the same toolbox will appear as does when you select an image frame, giving you access to the same options detailed above.

By default, the canvas will display as white. You can resent a canvas to white, or to black or transparent, by right-mouse selecting in the grey area outside your page - choose Page > Color to change to black, white or transparent. The Image Editor's **Background Fill** tab will allow you to add an overlay of color, and the **Tile** tab will allow you to select from a selection of preset textures.

An image can be used to fill the canvas frame of course. Choose an image from the Image hover, and drop it outside of the canvas. It will snap to the background frame. An image on your canvas can be converted to the canvas background by right-mouse selecting the image, and choosing IMAGE > Set as Canvas Background.

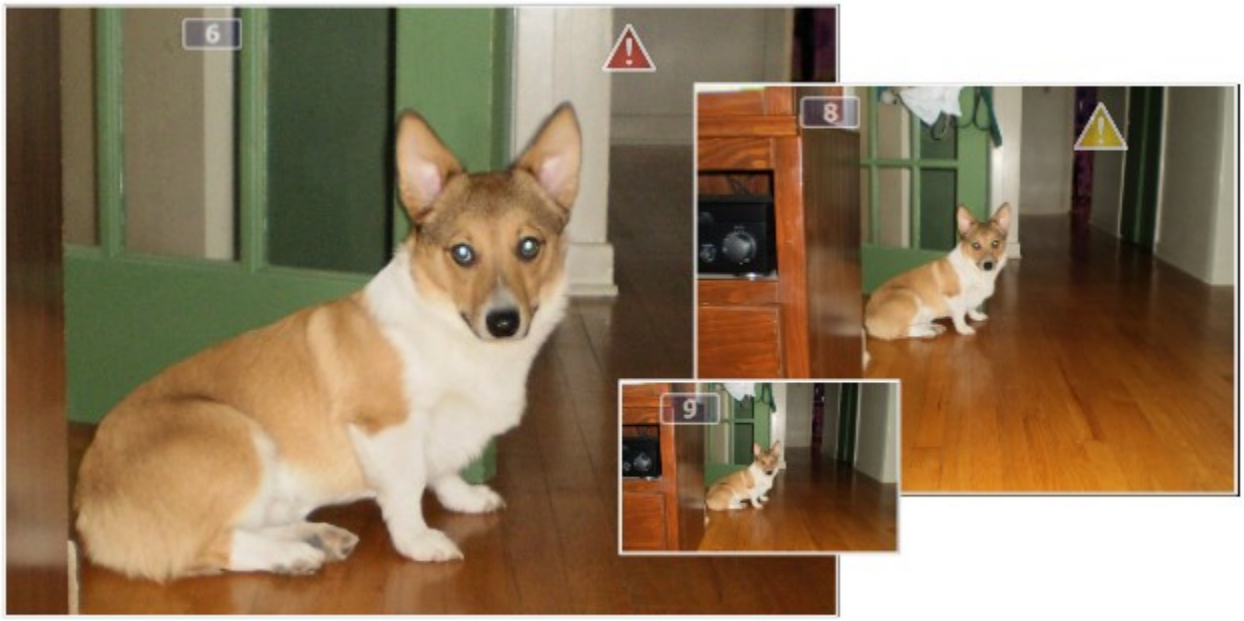
Or use a paper texture from the Papers hover, or, for YearbookFusion users, from the Gallery hover (under LumaPix Art) in the same manner.
You can create many different looks by changing the canvas background.

Plain white background | **With a "paper"** | **With a photo**

With paper and border | **With background fill** | **With a tile**

DPI/Resolution Warnings: FotoFusion contains a warning system for using images on your canvas with too low a resolution.
Using a low resolution image (eg. cell phone camera) or zooming in too close on an image can produce either a mild or severe warning.
This is an example of warnings on the canvas -- red = below acceptable, and yellow = potential

problems.



Resolution warnings will also appear when you attempt to output images below the predefined thresholds of acceptable dpi. Some publishers will set a default value to warn and to block the use of images that do not meet their predefined limits, so if you are using a special build from a book publisher, you will have these limits preset for you.

No image can be "upsized" from its native resolution (meaning the size at which it was recorded), since no application can create any more information than is already present in an image at the time it is taken or scanned. So, for instance, if you take a photo on a cell phone camera with only 2 megapixels, you won't be able to use that image on a large poster, without noticing lots of dots. Also, zooming in on a small element within a larger image (eg. a single person in a classroom portrait) will produce similarly bad results. There simply isn't enough information in the image to make it clear when resized.

TEXT FRAMES

Adding Text: Text can be added directly to the canvas, as a title or a paragraph of text, or attached to an image frame, such as a caption or a label. *(Yearbook users: panel text options will be covered in the Yearbook panel section of this guide).*

To add a text frame **to your canvas**, you can...

a) Click on any empty area on or outside the canvas. A toolbox will appear -- select the Text option.

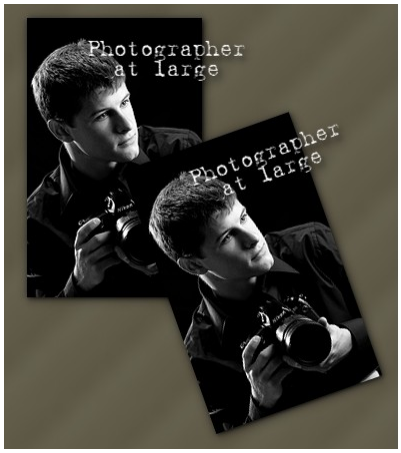
or

b) Hold the T-key on your keyboard while dragging a marquee shape roughly the same size as your finished text.

A text frame will appear on your canvas.

To add text attached **to an image frame**, select one or more images, then click on the T option on the tool box.

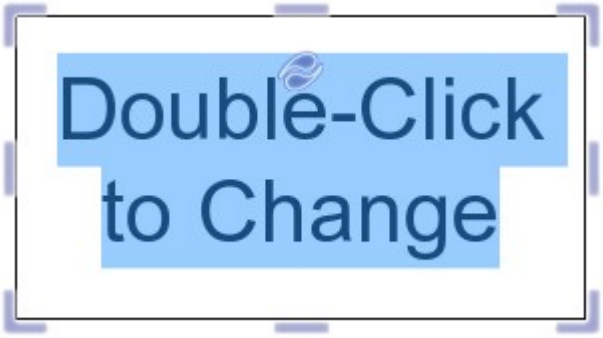
A text frame will appear on top of the image. When you move the image frame, the text frame will follow it.



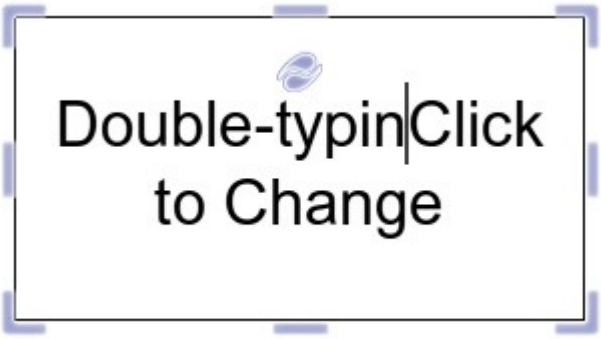
Text frame selection

Click once on a text frame - the frame itself is selected. You can move the frame on the canvas or resize it with the blue handles.

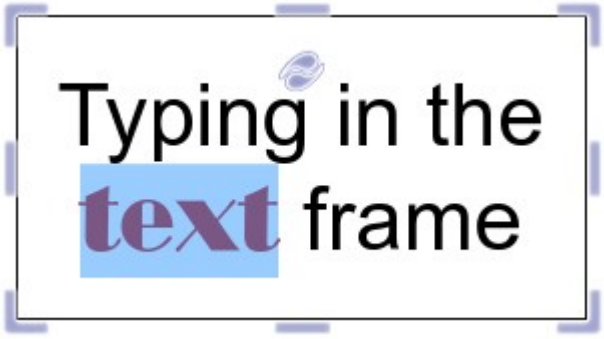
Next, double-click on the selected text frame: the entire contents of the text is selected. If you type on your keyboard, all text will be replaced. If you choose an attribute from the text editor (eg. a color, bold, a font), the attribute will apply to all text.



Next, single-click inside the text frame: a cursor (straight line) will appear in the location you selected. From this point, you insert or edit the text, or use the keyboard arrow keys to move around the text.



Highlight single word or character in the text to change attributes in the Text editor, such as color, font, or other features.



Please note: older templates may display a different text engine, where text is not typed directly on the

canvas, but in a box inside the text editor itself.

Text Features: When a text frame is selected, the text toolbox will appear. This toolbox will let you apply features to all the text in your text frame (Ctrl-A to select the entire text) or to a portion of it. Click on the **T** to begin adding attributes to your text.

The **Basics** tab will be displayed first.

Any pre-installed font available on your system will be displayed in the font drop-box. FotoFusion only adds one font to your system, so if you are using FotoFusion on more than one computer, you will see different font options unless the two machines are completely identical (same operating system version, exactly the same software).

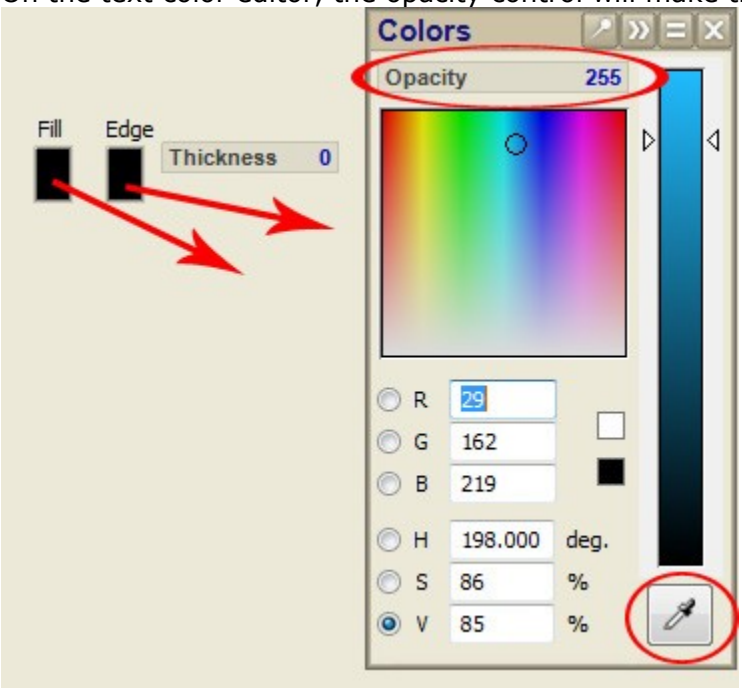
Text appearance options: choose among the available fonts, the size, and the resizing options.

- "Resize to fit" will dynamically resize your text size when you resize the text frame itself
- "Lock and clip" will freeze the text size, allowing it to be cut off if the frame is shrunk smaller than the text content;
- "Do not exceed" will allow the text size to shrink if the frame is made smaller, but never grow past the indicated font size.

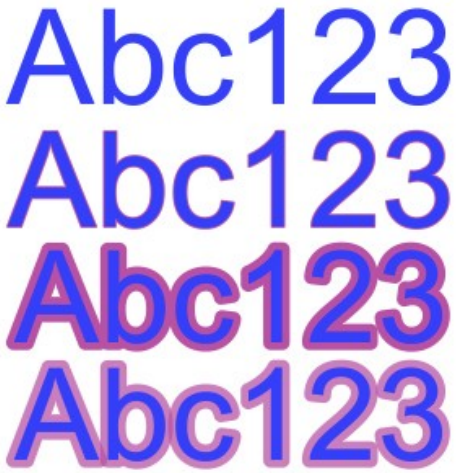
You can also add **Bold** B, *Italic* I Underline U and Superscript S options to all or selected portions of your text.

Color options: Click on the color swatches to change the interior color and the edge (border) color of the text.
Use the eyedropper icon to select a color from the canvas itself, or click on either of the color gradients to pick a color.

On the text color editor, the opacity control will make the color more or less transparent.



To make the edge (border) show, change the Edge Thickness to a higher value.



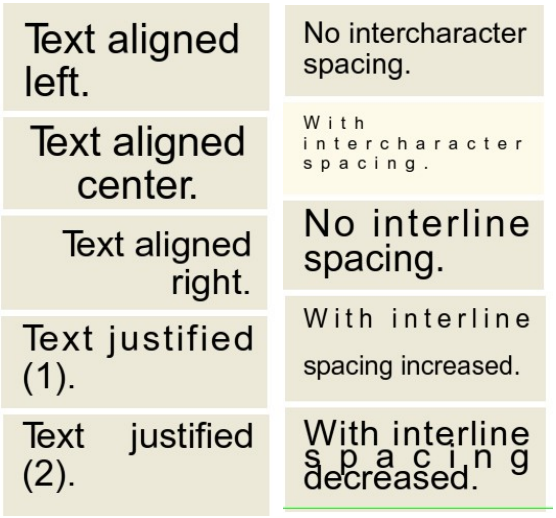
No edge.

Thin edge in a contrasting color.

Thicker edge in contrasting color.

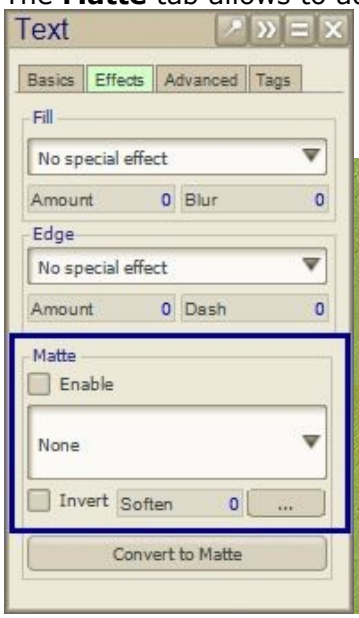
Thicker edge in contrasting color, with opacity lowered.

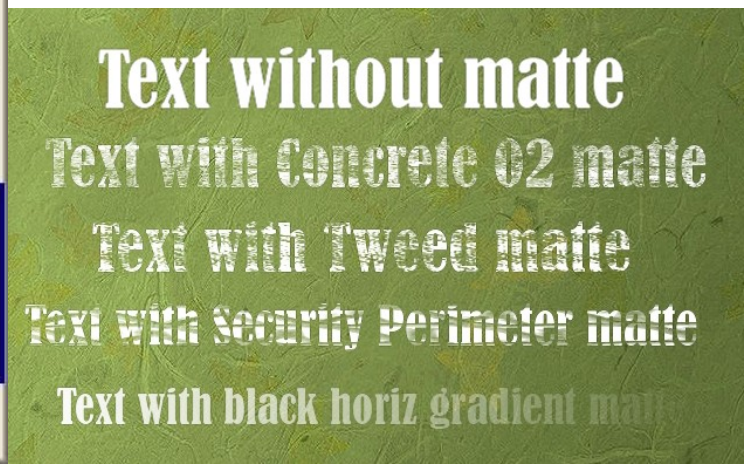
Alignment allows you to position your text relative to the frame horizontally - left, right, centered, justified - and vertically - top, middle, bottom. You can also increase or decrease the space between the letters of your text and between the rows of your text (click on the R buttons to restore these values back to the default). (Click the R button to restore to the default.)



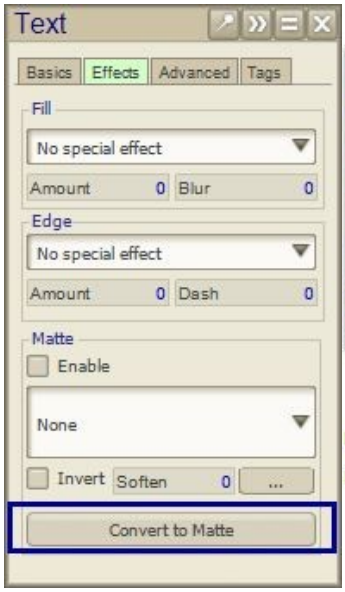
The **Effects** tab provides further options. The **Fill and Edge Effects** add reflections, transparency, and shadow type effects to your text. Pick an effect then play with the amount value, to choose the intensity of the effect. Fill refers to the interior of the text - and includes an option to blur the text. Edge refers to the outline - and includes an option to create a dashed outline.

The **Matte** tab allows to add gradient or texture effect to your text.

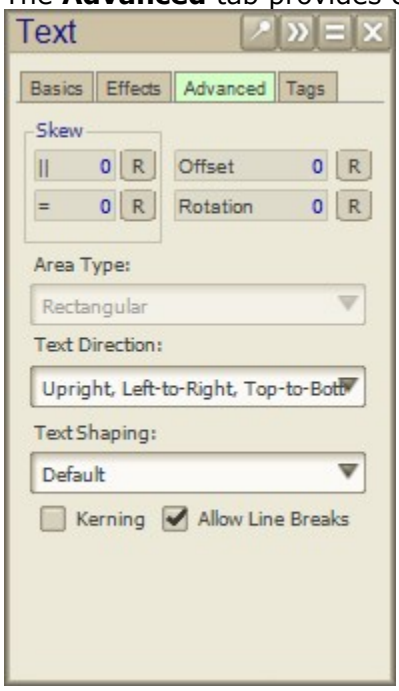



Text without matte
Text with Concrete 02 matte
Text with Tweed matte
Text with Security Perimeter matte
Text with black horiz gradient

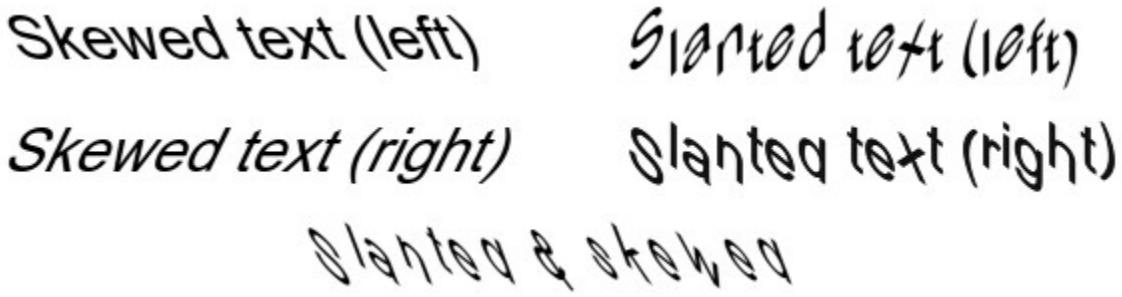
Convert to matte transforms your text into a container to hold an image.
This works best by first dropping an image onto the canvas, and adding a text frame attached to the image.
Choose a bold-faced font, or use a single letter at a time, for best effects.
Click on the Convert to Matte button. The text will now hold the image.



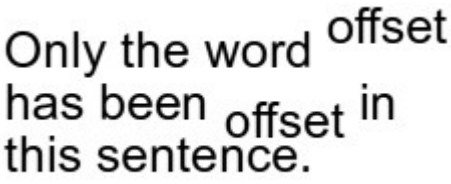
The **Advanced** tab provides controls for the shape and direction of text.



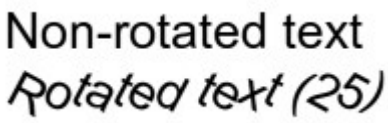
Skew controls will slant/distort your text. (Click the R **button to restore to the default.)**



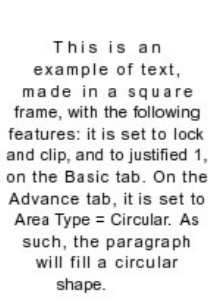
Offset works on a selected set of characters within a text frame. It will move the selection up or down, relative to the other characters. It is somewhat like Superscript, except you control how far up or down the text moves. (Click the R button to restore to the default.)

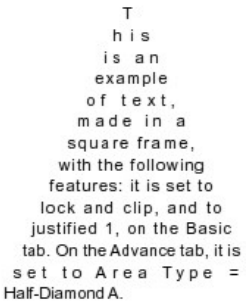


Rotation controls allow you to spin the characters in place. (Click the R button to restore to the default.)

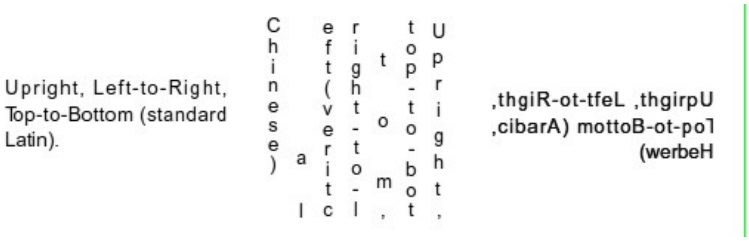


Area type can add a general shape to your text (this works best for a longer paragraph, not a title).
To use this feature, ensure that the "Resize to fit" is NOT selected on the Basic tab.


This is an example of text, made in a square frame, with the following features: it is set to lock and clip, and to justified 1, on the Basic tab. On the Advance tab, it is set to Area Type = Circular. As such, the paragraph will fill a circular shape.

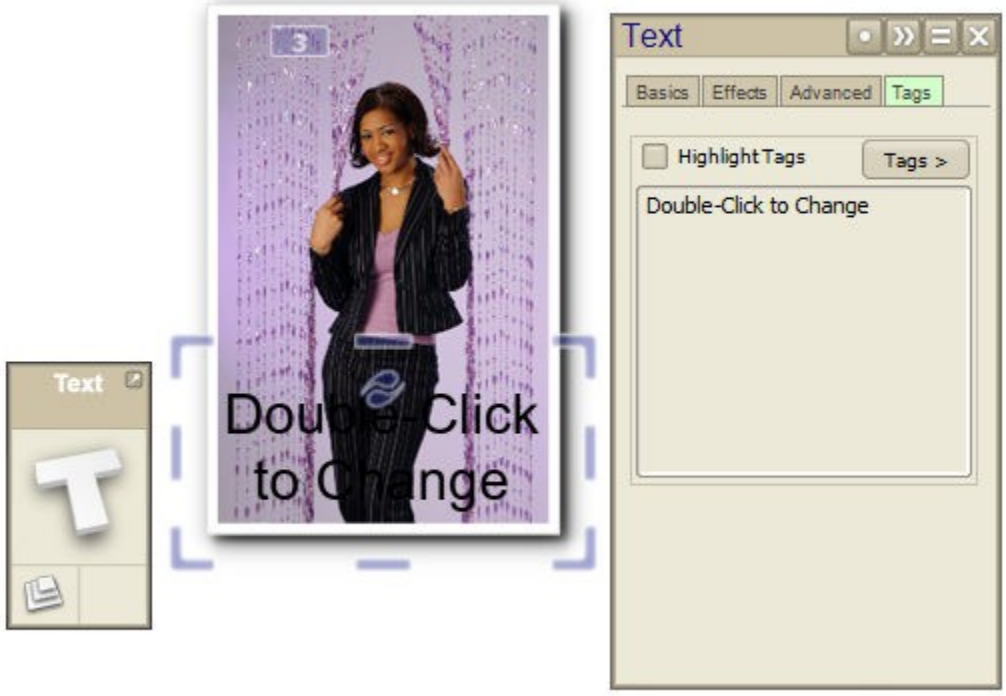

This is an example of text, made in a square frame, with the following features: it is set to lock and clip, and to justified 1, on the Basic tab. On the Advance tab, it is set to Area Type = Half-Diamond A.

Text direction can be changed as well (eg. Chinese, Arabic, Hebrew, and other languages where the text does not flow right-to-left/top-to-bottom).

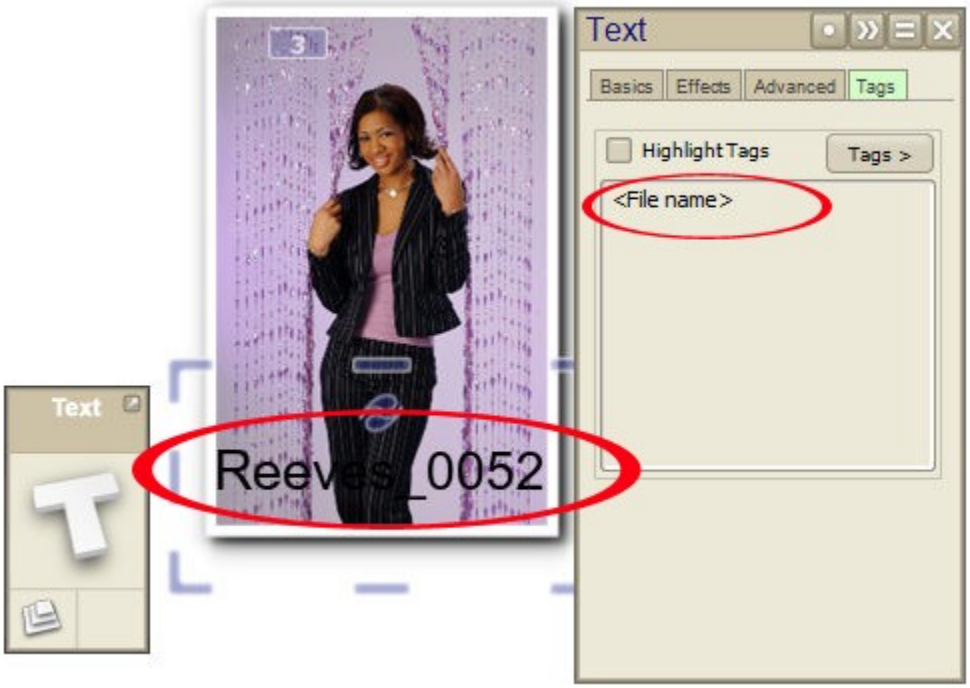

Upright, Left-to-Right, Top-to-Bottom (standard Latin).
Chinese) Left (vertical, Right-to-left, top-to-bottom, Upright, ,thgiR-ot-tfeL ,thgirpU ,cibarA) mottoB-ot-poT (werbeH

Text shaping (also known as ligature) is an option that will help users of non-Western languages. If a font is selected that displays the non-Western characters, the text shaping options (specified by language/region type) will shift the spacing of glyphs (characters) appropriately. Most users will not need to touch this option as it is only exposed when the chosen font and language contain non-Western characters. A selected few fonts will have ligature controls, to create new

The **Tags** tab enables your text frame to display information about the image within the frame.
Select one or more images on your canvas, then add a text frame attached to the image frame (click T on the image toolbox).
Select the text frame(s), open the Text editor, and go to the Tags tab. By default, all tags features will be off.

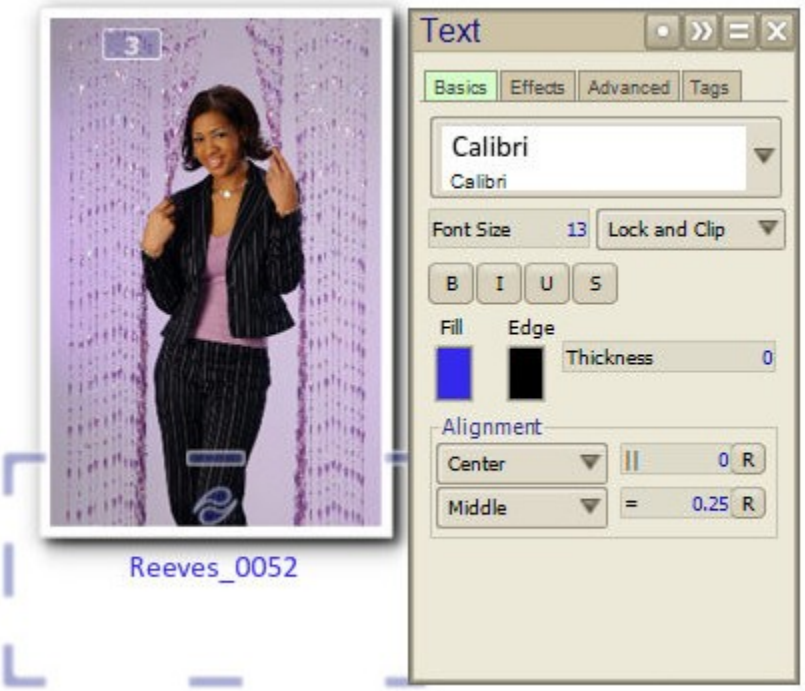


Click on the Tags button to access the available data associated with the image. For instance, choose Tags > File > Image > File Name to add the name of the image to the text frame. You can any number of tags, and highlight them (transparent color block) if you wish.



If needed, customize the text frame, as you would normally, and move it to a new position relative to the

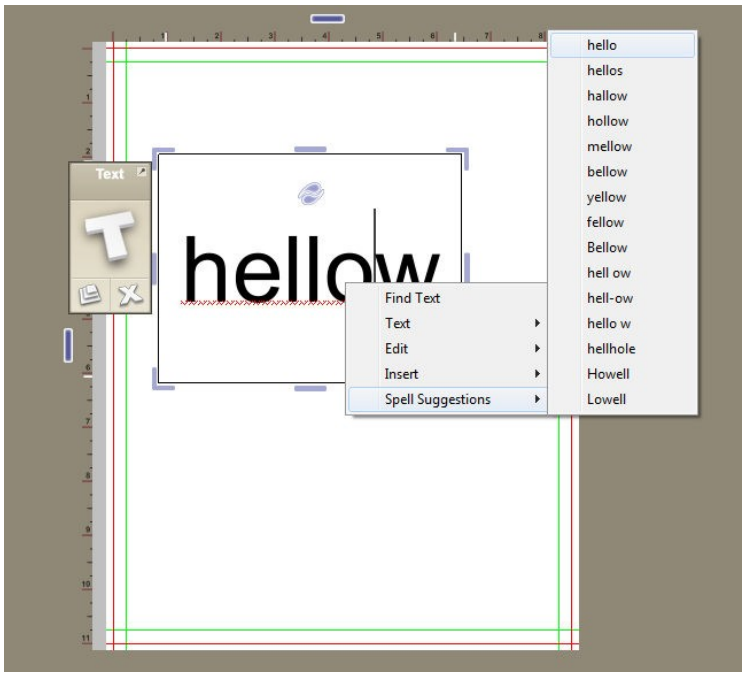
image frame.



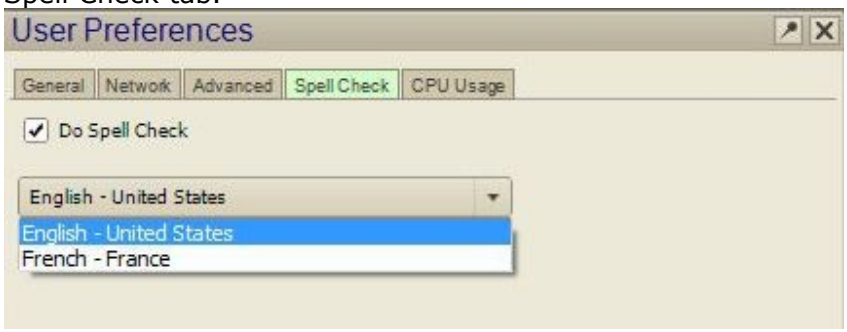
Adding Fonts: FotoFusion uses the fonts included on your system. It adds only a single font to your system (Denis script.ttf). If you wish to add a font for use in FotoFusion, install the font on your system, then relaunch FotoFusion - the font will now appear among your list of fonts.

Note to YearbookFusion users: When working on yearbook panels or on online chapters, you may notice certain fonts marked in red in the font list, and less features available. Both of these features rely on less-developed text editors, so certain features and fonts may not be available.

Spell Check: FotoFusion includes a spell check feature (US English & French are currently available). If you type a word in the text frame that is not included in the selected dictionary, the word underline the word in red. Right-mouse select the word, then choose **Spell Suggestions** to see a list of available words - select one to replace the underlined word.



To turn spell check off or change languages, go to EDIT on the menu then choose User Preferences > Spell Check tab.



SHADOWS

Image and text frames cast drop shadows. Shadows can be adjusted directly in the Toolbox or in the Shadow editor.

Adjusting the Shadow through the Toolboxes: The Shadows control in both the text and image toolboxes can be dragged to edit the shadow:

- Drag left/right = Shadow Offset
- Drag up/down = Shadow Blur

Adjusting the Shadow through the Shadow Editor: Click the shadow control on the Toolbox to open the Editor for more detailed control.

Image by Kent Smith

Offset: The shadow offset determines how far from the frame the shadow is displayed. If you increase the value, the shadow will appear farther away from the image.
Blur: Changing the blur makes the shadow harder or softer.
Angle: The angle determines the apparent position of the light source producing the shadow of the frame.
Amount: The Amount determines the opacity of the shadow effect.

Shadow Inside
If the shadow is 'inside', the border does not cast a shadow but the image itself does. To see this effect, make the border very wide and 50% transparent.

When 'shadow inside' is checked, you will see that the image itself is casting a shadow but that the large, translucent border does not.
In this example, the photo is casting a small shadow which gives the impression the photo is inside a translucent frame.

Shadow Color: Clicking on the color chip opens the color editor; this allows you to pick a new color for the shadow. In this example, the shadow has been used to make the image and the text appear to glow.

AUTOTOOLS

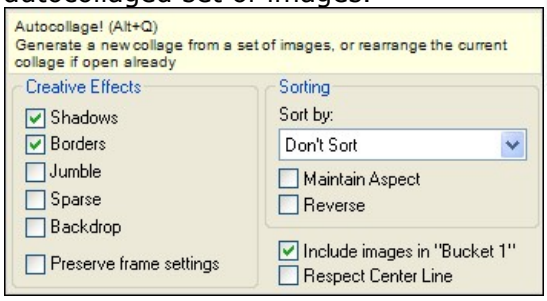
FotoFusion can create automatically layouts for you with a few simple clicks.

AutoCollage: The autocollage tool allows you to quickly fill a page with images. Extreme & Yearbook users can also create multi-page autocollages. Any set of images on the canvas can be autocollaged repeatedly, until you are satisfied with the layout. Click on the AutoCollage button on the Toolbar to obtain a new layout every time.

Autocollage an existing set of images: If you have images on your page, or in the dropper (pulled from the Images hover, for instance), click on the Autocollage button to drop them on the current page. Click this button to rearrange your collage (as many times as you like!) until you find an arrangement that is close to what you want.

Click 'AutoCollage' for a new layout...

If you "hover" over the AutoCollage button (meaning, let your cursor float above the icon without clicking), you will open the AutoCollage options hover. *Shadows* add drop shadow to the autocollaged set of images. *Borders* add the default border around the autocollaged set of images.



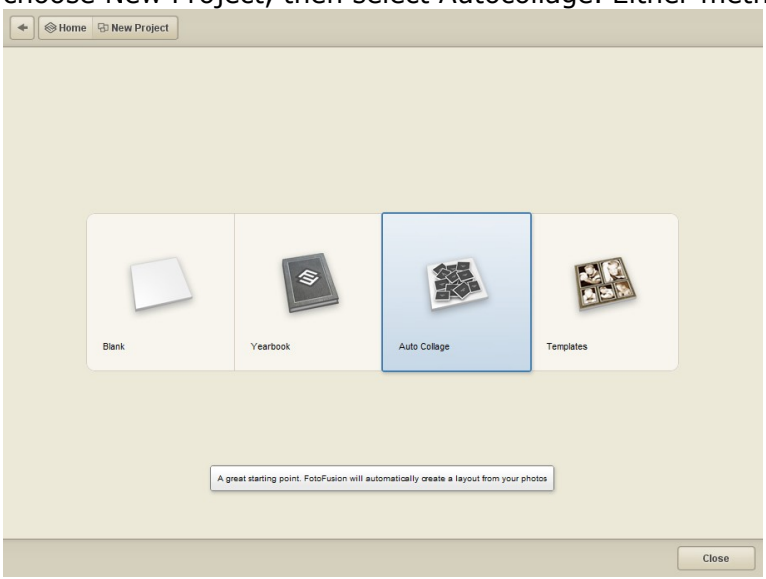
Jumble: Scatter the autocollage set of images at an angle. The autojumble button on the toolbar also enables this feature.

Sparse leaves blank area around the images.

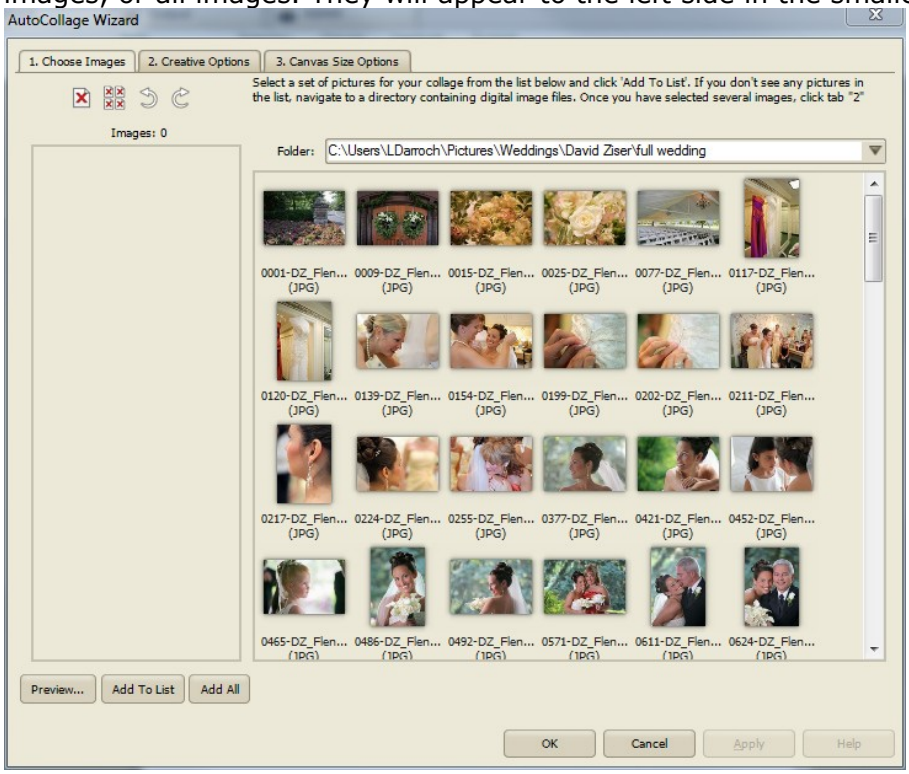
Backdrop adds one of the images to the background canvas.

Preserve frame settings: Keep custom border and image effects when autocollage is selected.
Sorting options include the ability to make autocollages organized by file name or the time the image was produced.
Maintain aspect ratio will not reframe the images from their full size.
Reverse changes the sorting order (eg. Z-to-A, or last-to-first).
Include Images in Bucket 1: Autocollages preorganized images
Respect Center Line: On double spreads, the gutter line is avoided (no images overlap it).

The AutoCollage Wizard: If you are focussed on an empty canvas (a page without images), the autocollage button will launch the autocollage wizard**.** Or start a new project - go to the Start Tab, choose New Project, then select Autocollage. Either method will launch the AutoCollage wizard.

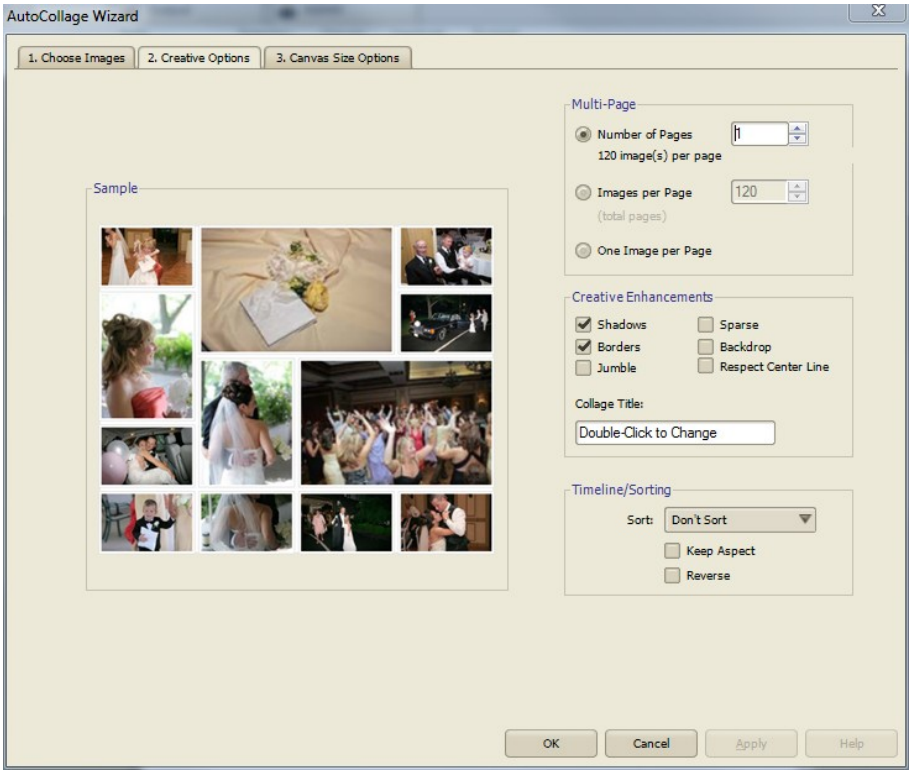


1. Choose Images: Use the Folder drop box to find images on your computer. Select one, a group of images, or all images. They will appear to the left side in the smaller window.

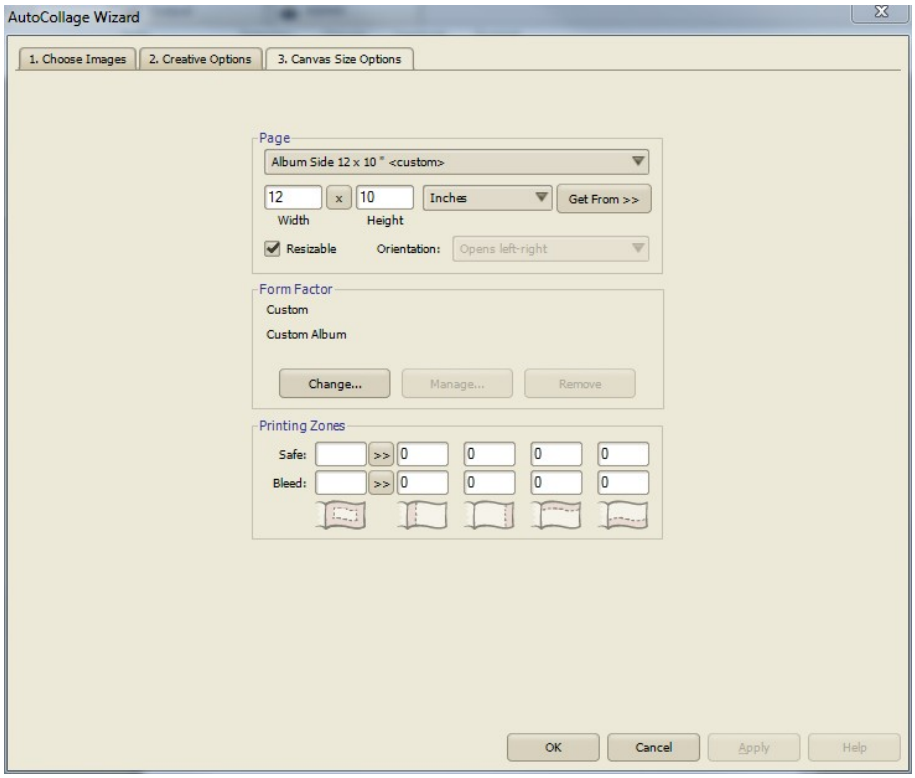

AutoCollage Wizard
1. Choose Images
2. Creative Options
3. Canvas Size Options
Select a set of pictures for your collage from the list below and click 'Add To List'. If you don't see any pictures in the list, navigate to a directory containing digital image files. Once you have selected several images, click tab "2"
Images: 0
Folder:
C:\Users\LDarroch\Pictures\Weddings\David Ziser\full wedding
Preview...
Add To List
Add All
OK
Cancel
Apply
Help

2. Creative Options: *Multipage:* Extreme and Yearbook license users can specify the number of pages, or the number of images per page, to create a multipage series of collages. (Tip: combine this with the Timeline Sorting feature to make an event-based book in seconds). Choose the One Image per Page option to create a proof-book series of pages - the pages will orient themselves to the size and shape of the single image on them.

The *Creative Enhancements* and *Timeline/Sorting* are the same features as those located on the toolbar autocollage button (described above).



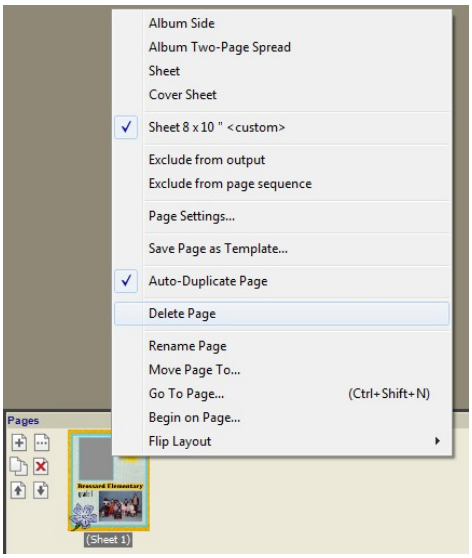
3. Canvas Size Options: Choose the Form Factor (Project type) and/or Page size for your autocollage.



Hit OK to generate your autocollage pages - you can leave them as they are, reautocollage each page or edit the frames as you like.

AutoPopulate: Click on the icon on the Toolbar fills all empty frames in a collage with images that are currently in the dropper or selected in the Images hover. This is a fast way to fill a template with images - such as a contact sheet or an album template. Sorting options are also available. To use autopopulate you need to have a project open with empty frames.

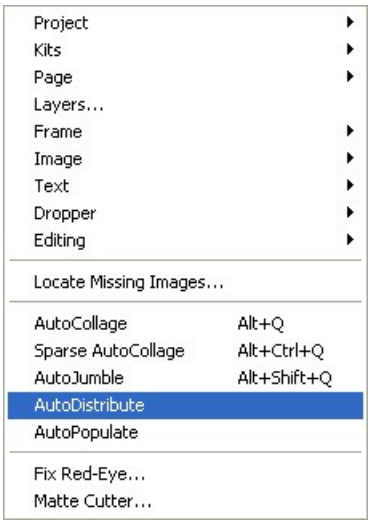
AutoDuplicate (Extreme, Yearbook only) allows you to use a template multiple times with a series of images. Create or launch a template with empty frames on your canvas. On the Pages hover, right-mouse select the template to turn on autoduplicate.



Next, go to the Images hover, and select one or more images, and click on the autopopulate icon on the Images hover itself. Any empty frames in the template will be filled with images, and a new copy of the template will generate for additional images, until all the images are "consumed" by the template

AutoDistribute produces an even grid of all the images on your canvas. Add your images to the canvas, via Autocollage or by dropping them individually through the Images hover. Choose 'AutoDistribute' from the Tools menu to create a grid. To sort your images before AutoDistributing, hover on the AutoCollage button, and select the sort features you would like to use, such as File date/time".

before AutoDistribute

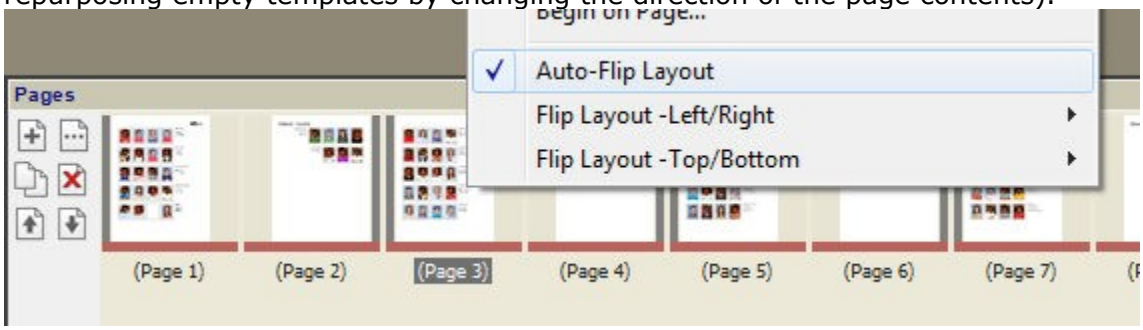


after AutoDistribute

AutoFlip Layouts automatically flips your composition (left/right) when a page is duplicated or

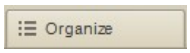
moved down the stack. This may be useful if you have made pages with titles oriented to the outer edge of the page. If autoflip is not on, and the page moves from a right-side to a left-side page, the title will stay in the same position.

To turn Autoflip on a single page, open the pages hover, and right-mouse select the page's thumbnail. You'll see the autoflip option at the bottom of the list, along with the "Flip layout" options (useful for repurposing empty templates by changing the direction of the page contents).

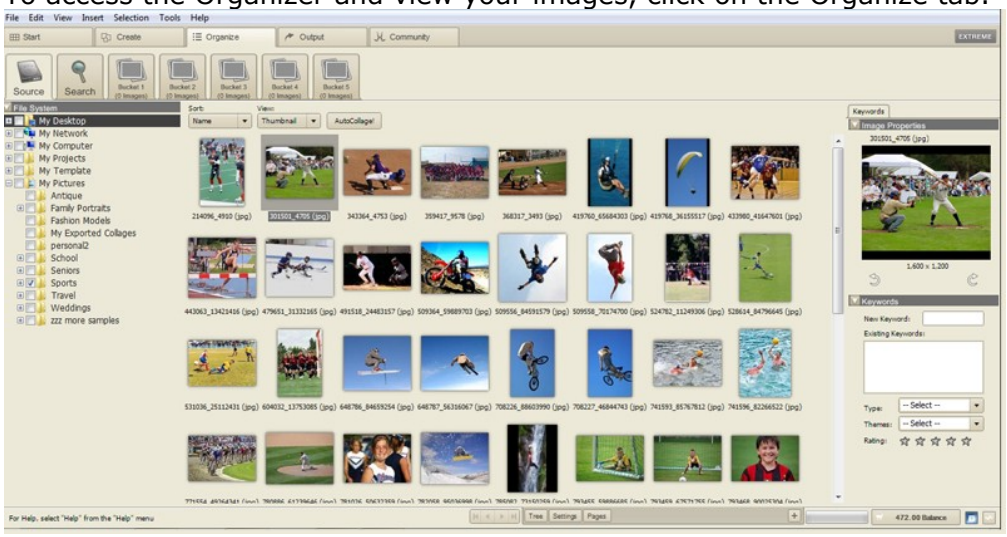


Autoflip can be turned on automatically: click on EDIT on the menu, then choose User Preferences. You'll see a checkbox option in the bottom left.

ORGANIZE: SORT, SEARCH & TAG

The  **tab** allows you to view your catalogue of images and projects from numerous folders and drives simultaneously, sort images into "buckets" to triage them for your project or cataloguing, assign your images and projects to predefined and user-created categories, and search using these categories.

To access the Organizer and view your images, click on the Organize tab.



To view your images, checkmark the directory or directories of your choice from the Source tab. You can view the contents of more than one directory simultaneously by placing a checkmark next to the directories. The images will appear in the Preview area.

Use Sort and View options to customize the appearance of the Preview area.

Note: Check-marking an upper level directory will not display the images contained within the subdirectories contained within it.

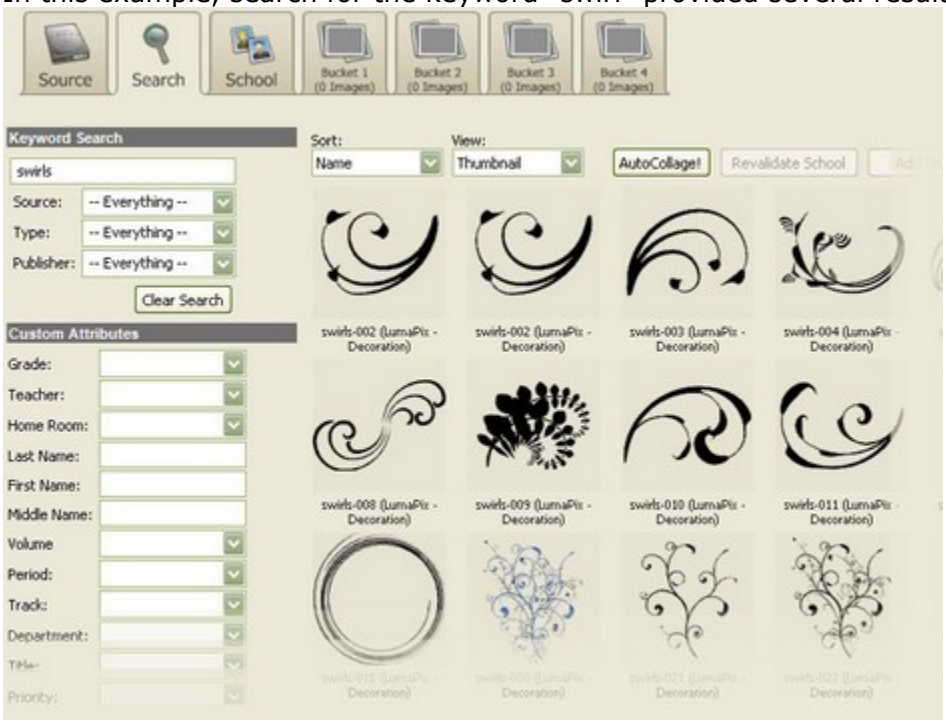
To select all subdirectories within a root directory, hold the Control key on your keyboard while clicking on the check box. (Repeat to uncheck all).

Hold Ctrl-A on your keyboard while clicking a root directory to select all subfolders AND select all images within

the subfolders.

You can use the Search tab to find pre-catalogued content, including graphics on the LumaPix server. Use the TYPE box to look for a particular type of graphic content, for instance, Embellishments + Decorations, or Templates.

In this example, search for the keyword "swirl" provided several results from the Marketplace.



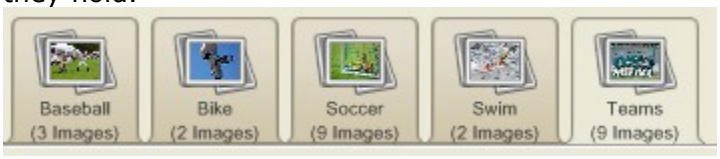
Once images or projects appear in the preview area, you can...
· double-click on an image to preview it, or double-click on a template or project to launch it on the Create screen
· drag the selected images or projects to a bucket (or hit the number of the bucket on your keyboard, eg. type 1 to add selected content to Bucket 1)
· add an image or multiple images to categories;
· add keywords to an image or multiple images.

Tip: If you would like to increase the size of the thumbnail views, then click inside the preview area, and, while holding the Ctrl key on your keyboard, use your mouse wheel (or the up/down arrows on your keyboard) to change the size of the thumbnails. To change the way your mouse wheel scrolls functions, click on the EDIT menu item, and choose USER PREFERENCES.

Buckets allow you to transfer content (images or projects) to the Create screen. Right-mouse select in the area next to the buckets to add additional buckets, up to nine in total.

Each bucket is associated to a one of the number keys on your keyboard. Select one or more items in the Organize preview, and then type a number on your keyboard (1-9). The contents will be transferred to the associated bucket.

The buckets can be renamed (right-mouse select them individually), and will report the number of items they hold.



Toggle back to the Create tab to return to the Canvas, and then open the Buckets hover to view and use the content within it.

Notice the drop-down option to switch from Bucket 1 to any of the other nine available Buckets.

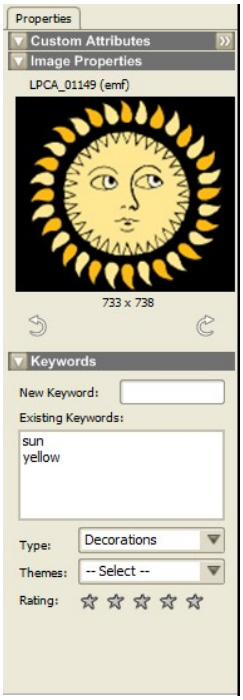
Images can be dragged on to the canvas. Notice the REMOVE DROPPED checkbox: when checked on, the images will be removed from the Bucket when they are used.

Manage the contents of the bucket as needed from the icons at the top of the bucket: remove one or more items, drop them on the canvas, pick them back up, or rotate them.

Assigning Keywords & Categories: Content displayed on the Organizer can be tagged with keywords and categories.
This feature can be used to make your personal graphics collection searchable in FotoFusion.

For instance, if you have a collection of background papers that you would like to make appear in the Papers hover, templates you would like to find quickly in the Search hover, or scrapbooking graphics to organize thematically, you can tag them with keywords and categories.

Find the content on the SOURCES tab in the Organizer. Select the items in the preview area, one or more at a time (Ctrl-A to select them all) to apply Keywords to then from the Properties tab (right-side of the screen).

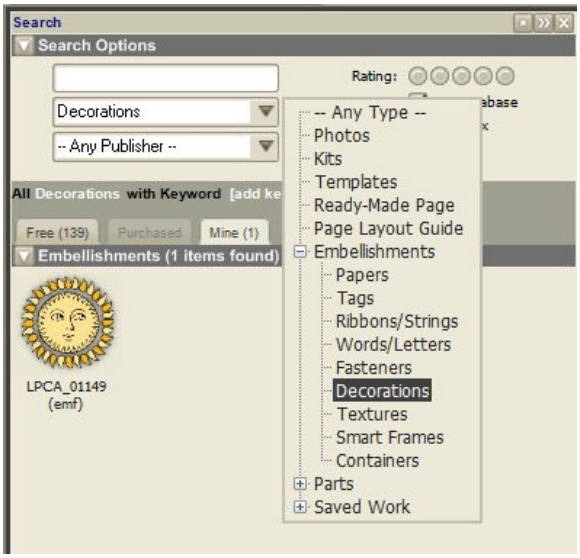


In this example, a single clipart has been selected.

Two keywords have been added - simply type your keywords, one at a time, in the New Keyword area, and hit Enter to add the tag to the image

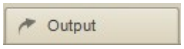
The Type box allows you to assign a category to the item.

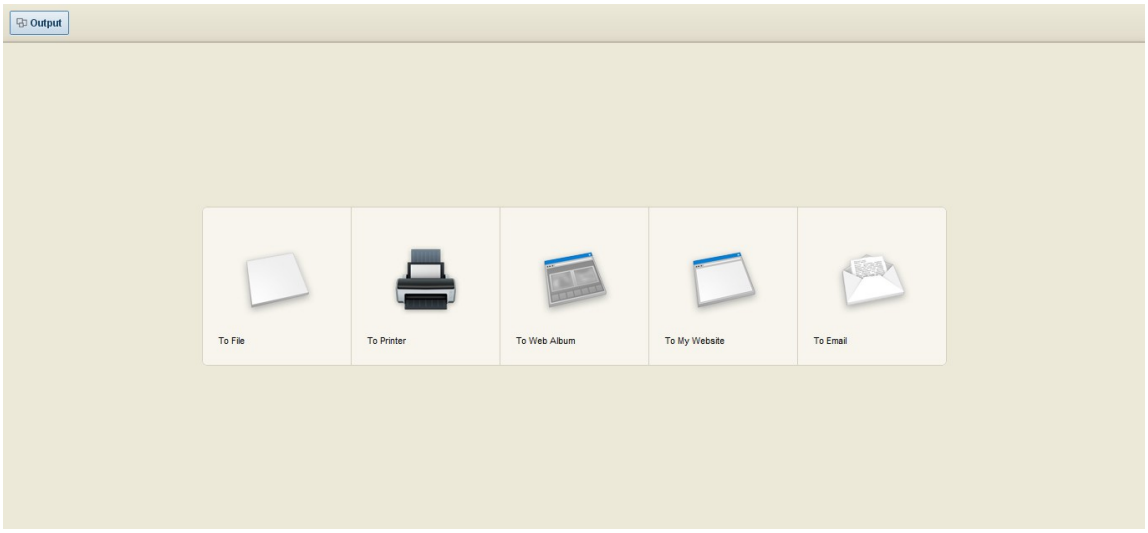
In this case, Embellishment + Decoration was selected. Once this tag has been added, the item will appear in the Search hover, under the Mine tab, when you search for the content.

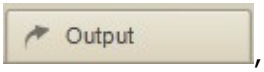


Tip: Add your personal collection of background textures to Type = Embellishments + Papers to get them to appear in the Papers hover.
Add mattes by saving 100% white on 100% black shapes as jpg, then tag them as Type = Parts + Mattes.

OUTPUT: FINALIZING & SHARING

The  tab is available to most Enhanced & Extreme users, and some YearbookFusion users. Selecting the tab will display the available options:



Under  , you will find up to five options:

- to a file: choose this to create a flattened version of your project, which can then be sent to a printing company.
- to a printer: choose this to print from a local printer.
- to a web album: choose this to upload your project to the LumaPix server in a sharable slide-show type format.
- to your web site: choose this to create an html version of your pages, which can be posted on your website.
- to email: choose this to send html previews embedded into an email.

Output allows you to send completed projects to others for printing or proofing.

You cannot transfer a FotoFusion file (saved as .scrap) from one computer to another, to a printing facility or to another person's computer.
FotoFusion needs to maintain the links between your images and the project file in order to work. Using the output tab to render your files to universally acceptable file formats will allow you to transfer your finished products to others in an non-editable format.

To transfer your projects in an editable format, you will need to archive the projects. These archives can be opened by other FotoFusion users with license types equivalent or greater than your own.

Note: Some book printing companies who offer FotoFusion or YearbookFusion to their clients may have disabled some or all of these features, as direct upload to their printing facilities is enabled. If this feature

is enabled, you will find an Upload to Publisher option:

Some publisher companies will allow output options with limitations, eg. watermarked or low resolution (72 dpi) output, to allow you to create a proof file, but not create printable versions of your project.

Frequently asked questions

Can LumaPix print my work?
LumaPix Inc. is strictly a software development company. As such, we do not provide printing services. You can, however, send your projects to any printing service of your choice that will serve your area. Note: some licenses (YearbookFusion, some Extreme licenses) are distributed by a printing companies so their customers can upload projects directly to them for printing. These versions may limit the ability to print or render projects.

Which labs or photo development services will accept my FotoFusion projects?
Any lab or photo development service will be able to print your projects. Simply render them using the Output to a File feature in FotoFusion. A jpg format is usually acceptable. Consult your lab of choice to determine their size and output recommendations. Pro-photographers creating albums should ensure that the recommended bleed and safe zones and resolution requirements are met.

How do I find a lab or photo development service?
Hundreds of companies exist world-wide to meet your printing needs, with all variety of formats, output qualities and price points.

Home hobbyists can choose:
- local photo developers or copy centers: bring your rendered jpg files on a portable memory device to your local retailer.
- big box chains, grocery stores or department stores: photo finishing services often include photo books and novelty product services. Bring your rendered jpg files to the photo counter in-store on a portable memory device, or check the retailer's website to see if online upload services are available. Online orders can often can be picked up in-store, or shipped to you directly.
- online photo services and book publishers: search the Web for these services. Book-publishing companies will most often provide a free book-making software that will include some template. To use your FotoFusion output in their software and bypass their predesigned templates, select the template page style that allows you to drop your rendered jpg file into a full page layout.

Pro-Photographers have dozens and dozens of choices of pro-labs and finishing services. In general, these items are higher quality than the services provided to general consumers, but are priced much higher as a result.
FotoFusion includes preset page sizes from several album manufactures, under the Canvas Settings editor. These manufacturers have supplied their preset page sizes to be included in FotoFusion. Manufacturers can consult the LumaPix website to learn how to have their presets included in FotoFusion.

If you are looking for a general list of pro-album manufacturers, we recommend consulting the web site

of professional photography associations who cater to your type of photography interest. For instance, the Wedding and Portrait Photographers International website will include a list of manufacturers who supply printing and binding services to pro-portrait & wedding photographers.

Can I edit my images in FotoFusion - remove backgrounds, fix blemishes?
FotoFusion is an image layout software, not an image editor (like Photoshop, Corel Draw, etc.). Many FotoFusion users will also have an image editing software to use for graphic design and detailed image editing. FotoFusion is non-destructive to your images - you cannot accidentally edit your images. Images on your canvas are actually detailed thumbnails referring to the original source image. For this reason, you can have multiple copies of the same image, in different sizes, crop and pan positions. FotoFusion allows you to send your images directly to your editing software from the canvas.

TO FILE

Output to a file allows you to create a 'flat file' type of output - .jpg, .tiff, .png, .bmp, .gif formats. This is a 'flat file' because all the layers (frames/text/backgrounds, etc.) are all flattened into one image. The resulting file is no longer editable in FotoFusion, but can be transferred to other computers (who do not have FotoFusion) and to photo labs or printing service providers.

Extreme users and some YearbookFusion users can also create a multi-page pdf document or export to a layered psd file (useful for color correction or image editing in Photoshop).

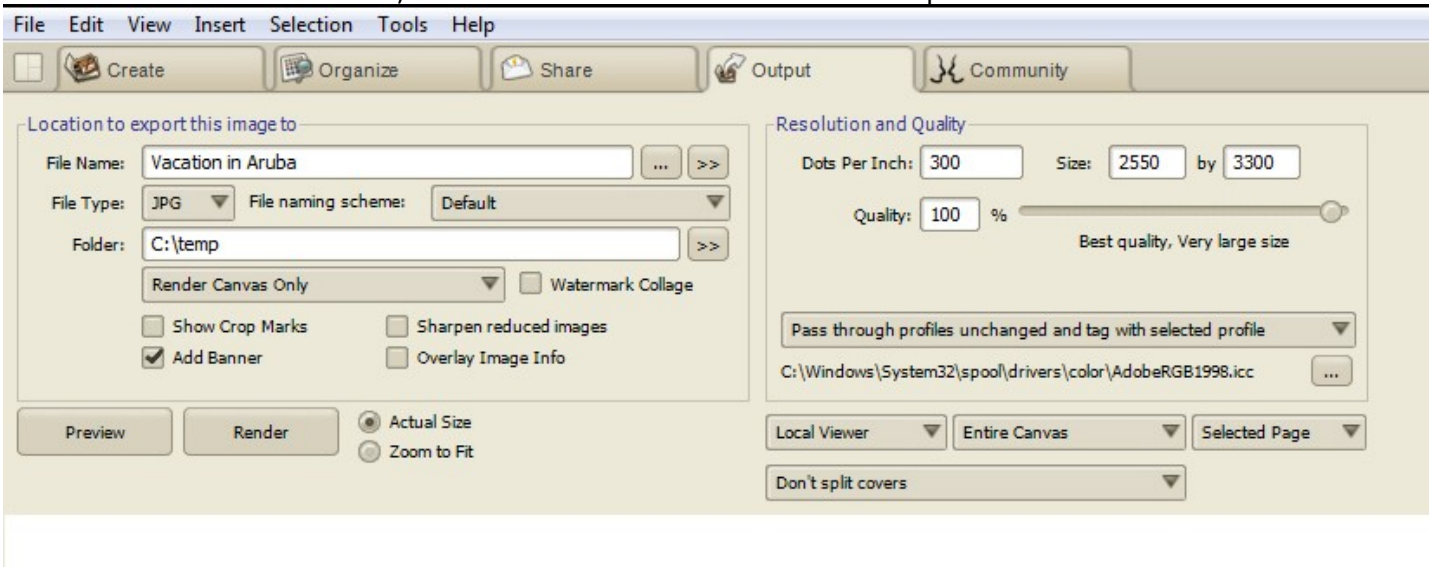
Once you render your file, the individual components of your project will no longer be editable. (Technically, you can move the layers in the psd output, but this is not recommended since the image's shadow and other elements are related to each other and are on separate layers.)

If you still need to edit your collage, you should save it as .scrap file, not render it into a flat file.

Typical reasons for rendering your work include to give the work to a lab for printing; to send good quality files to clients, family or friends who do not own FotoFusion; to use the files in another application; to burn the files to a dvd; to use the files in an online album uploader; to print on a machine that does not have FotoFusion installed; to upload an image permanently to a social media site or a blog.

Click on the

tab, and select TO A FILE from the list of options.



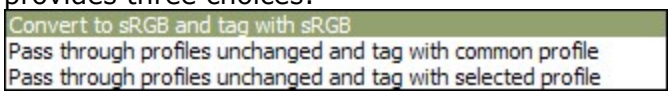
File name: type in any name you would like to give the file. Click on the ... button to select a previously used file to over-write, or on the >> button to choose among predefined text tags (eg. exif data) (Extreme, Yearbook only).
File type: see below for options.
File naming scheme: FotoFusion offers a number of predefined options to name your files. Options include page numbering, project and file names, and album manufacturer's settings.

Crop options drop-box: Select from "Render Canvas Only" (crops to exact border edge of your canvas area); Render Canvas + Bleed" (crops to bleed edge -- Extreme version only); or "Render Canvas + Bleed + Overhang" (includes items outside your canvas, including "orphaned frames" floating completely off your workspace).
Show Crop Marks: Checked on, the rendered files will include crop marks on your project (best used if a bleed zone has been included on your project).

Sharpen reduced images: It is recommended to leave this option on to ensure the best quality for your images.
Watermark Collage: Learn more about creating your own custom watermark, to protect your images from unauthorized reproduction.
Add Banner: Learn more about creating your own custom banner, to better advertise your work.
Overlay Image Info: If you are sending a proof to a customer, turn on this option to show the file name for all images in the project. More details on Overlay image info can be found in the Proofing documents section of this manual.

Resolution and Quality: The resolution or DPI (dots per inch) of your exported collage can be set to fit your requirements. Setting the DPI will adjust the image resolution, and setting the image resolution will adjust the DPI (since both values are related to the canvas size). Enhanced users are limited to 3900x5700 pixels. The 'quality' slider will allow you to adjust the amount of compression used to save the image. More compression produces smaller files at a lower quality; less compression produces larger but higher-quality images.

Color profile options (Extreme): Under the Resolution and Quality area, a drop-box selection provides three choices:


Convert to sRGB and tag with sRGB
Pass through profiles unchanged and tag with common profile
Pass through profiles unchanged and tag with selected profile

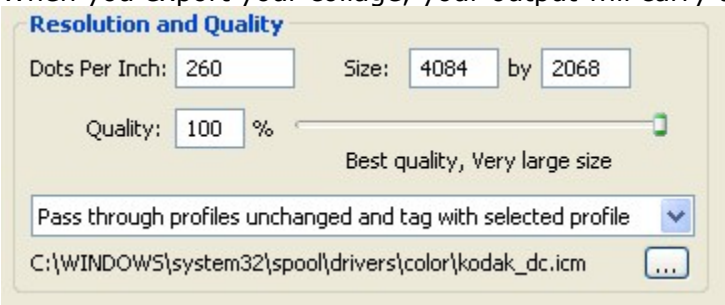
OPTION 1: Convert to sRGB and Tag with sRGB
This option is recommended for most users – if your images are sRGB, untagged, or if you are using a mix of photos with various color spaces.
FotoFusion will convert each of the color spaces and tag the rendered file with sRGB. Most pro photo labs will print your images using the sRGB color space and will process your images as if they were embedded with this color space.

OPTION 2: Pass through profiles unchanged and tag with common profile
This option will only work if all of the photos/images are using the same color space.
You can use this option if you shoot everything using the same color space and want a rendered collage that has the same profile.
You may wish to convert your layout into sRGB if your are getting your collages printed by a lab. Check to see if they will only accept sRGB files.

OPTION 3: Pass through profiles unchanged and tag with selected profile
You can use this option if you shoot everything using the same color space and want to manually choose the color space for your collage.

This option will work best if all of the photos/images are using the same color space.

If you chose the third option, click on the ... button to add the profile of your choice, as viewed below. When you export your collage, your output will carry the color profile options you selected.



Once you have set these values, you can PREVIEW your page. This will allow you to examine your work at 100% detail. (Note: you cannot zoom out, but you can scroll the page to see it in detail.)

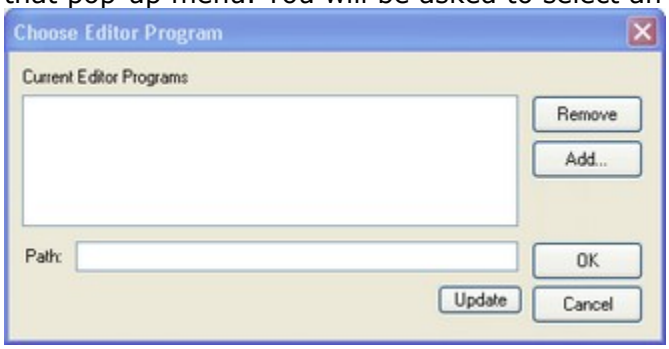
PDF will show an option to choose Layers & Vectors (larger file, sharper text) or as Flattened Pages (smaller file size).
Toggle between ACTUAL SIZE views (100%, which can be panned) or Zoom to Fit (to display the entire page).
If you are satisfied, you can RENDER the project to a file.

Local Viewer versus External Viewer or External Editor: If you wish to automatically open your output files into a photo editing software, change this option to External editor.

Local Viewer: FotoFusion will display the processed image directly below in the preview window.
External Viewer or External Editor: FotoFusion will open the tool you have selected to load the rendered output and display the results there.

Why the split between viewing and editing? Most graphics users have multiple applications installed that can be grouped into two basic categories - lightweight viewers, such as IrfanView, which boot quickly and are designed to display images - and editors, such as Photoshop, which boot more slowly and are designed to manipulate images with paint and other tools.

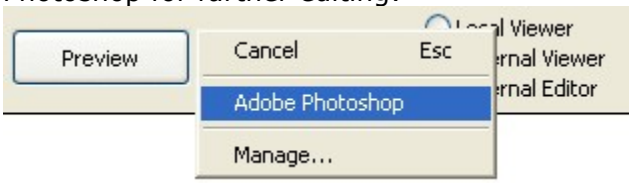
FotoFusion allows you to configure a set of programs in either category, and pick from among those alternatives when you click 'Render'. Simply left-click the button to be asked which editor you would like to send the output to; if you have not configured an editor for use by FotoFusion, choose 'manage' from that pop-up menu. You will be asked to select an editor to use:



To add a new program, such as Photoshop,
1. Click 'Add.'
2. Navigate through the folders of your hard drive until you find the program you want to run (such as C:

\Program Files\Adobe\Photoshop 7.0\Photoshop.exe).
3. Click 'OK'

Now, when you click the 'Render' button, you will be given the choice of routing your image through Photoshop for further editing:



Entire Canvas versus Double Page Separate versus Respect Page Segments: FotoFusion Extreme & YearbookFusion supports double page spreads and page segments. Albums can contain double-page spreads, which show to adjoining pages. This is useful if, for instance, you wish to place a large panoramic image across two pages or a decorative background. Some printing companies will request that double-spread are separated into two separate sides.

Entire canvas is the default setting- double-spreads will be rendered as one page. **Double Separate** will split double pages into two separate pages/files.

If you have specified **Printer Page Segments** in the project, you can render your files to follow the predefined segments.

Selected Page versus All Pages versus Assemble Book: FotoFusion Extreme & YearbookFusion licenses supports multi-page rendering.
Selected Page will render only the current page on the Create screen.
All Pages will your entire album at the same time, either as separate files (eg Sanchez Wedding 001.jpg, Sanchez Wedding 002.jpg) or as a single multipage .pdf.
Assemble book disregards your current project, and launches the File > Open window. You can select multiple projects for sequential rendering. This option is usually only useful for YearbookFusion users who have accidentally made projects with multiple database.

If you have also chosen to render Double Page Separate or Respect Page Segments, you will notice that the Preview and Render Buttons will prompt you to choose which part of the project you would like to render. Click on the thumbnail of the section you would like to export. If you have chosen Respect Page Segments, you must use the Selected Page option.

Cover options: FotoFusion Extreme and YearbookFusion licenses support the use of cover pages as a page type. When rendering, you can choose to leave the cover as one file, or to split it on either side of the spine (front + spine, back or front, spine + back), as required by your printing company.

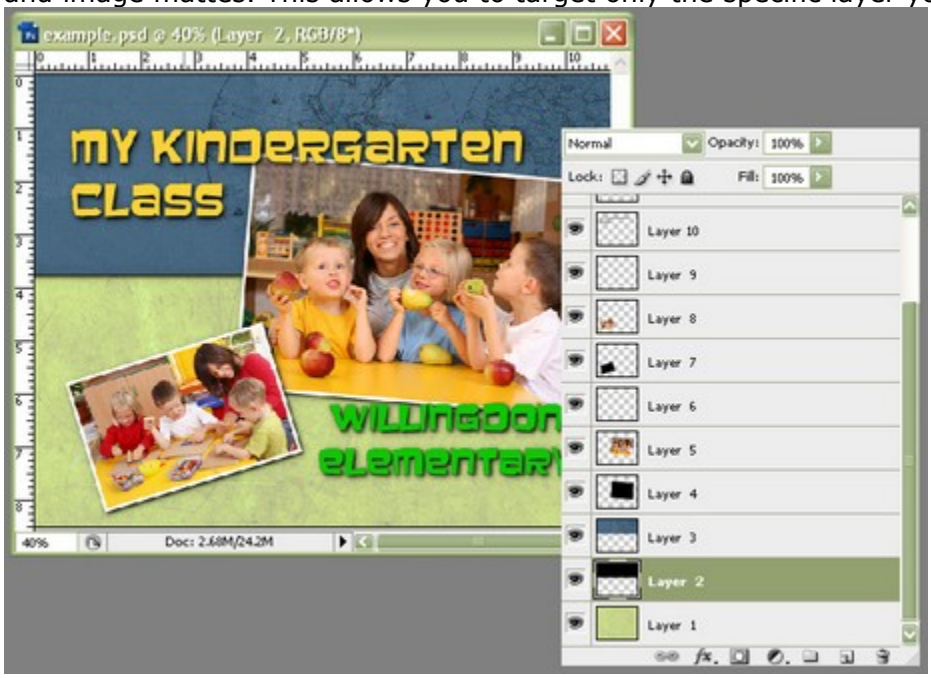
File Type: FotoFusion can render to BMP, GIF, JPEG, PNG, and TIF; Extreme users and some YearbookFusion users have the option of PSD and PDF formats.

JPG is a compressed format, which means that image quality can be traded off against disk space - lower compression will produce sharper images and a big file, higher compression will produce noisier images and smaller files. Increasing the quality on a JPG export usually results in good-looking images without producing a too-large file.

Only the PNG format can write out transparency; if you want to have a canvas with a transparent background, set up the canvas with a transparent background by creating it with a 0 opacity, then render to png.

BMP files tend to be very large - they are 'lossless' (you won't lose any quality working with this format). Images in this format are typically used for work in Windows environments. TIF images are more portable than BMP images but remain large compared to JPG files.

PSD files can be opened in Adobe Photoshop, and will produced a multi-layered document suitable for editing. Each element in the FotoFusion canvas will be rendered to a separate layer, including shadows and image mattes. This allows you to target only the specific layer you will need to correct.



Text is rendered as a graphic object, and is not editable.

Note: rendering to PSD will create **very** large format files. If you are rendering a multipage project, do not render to "external editor" -- this will automatically open the projects in Photoshop, which may cause problems with your computer's available memory allocation.

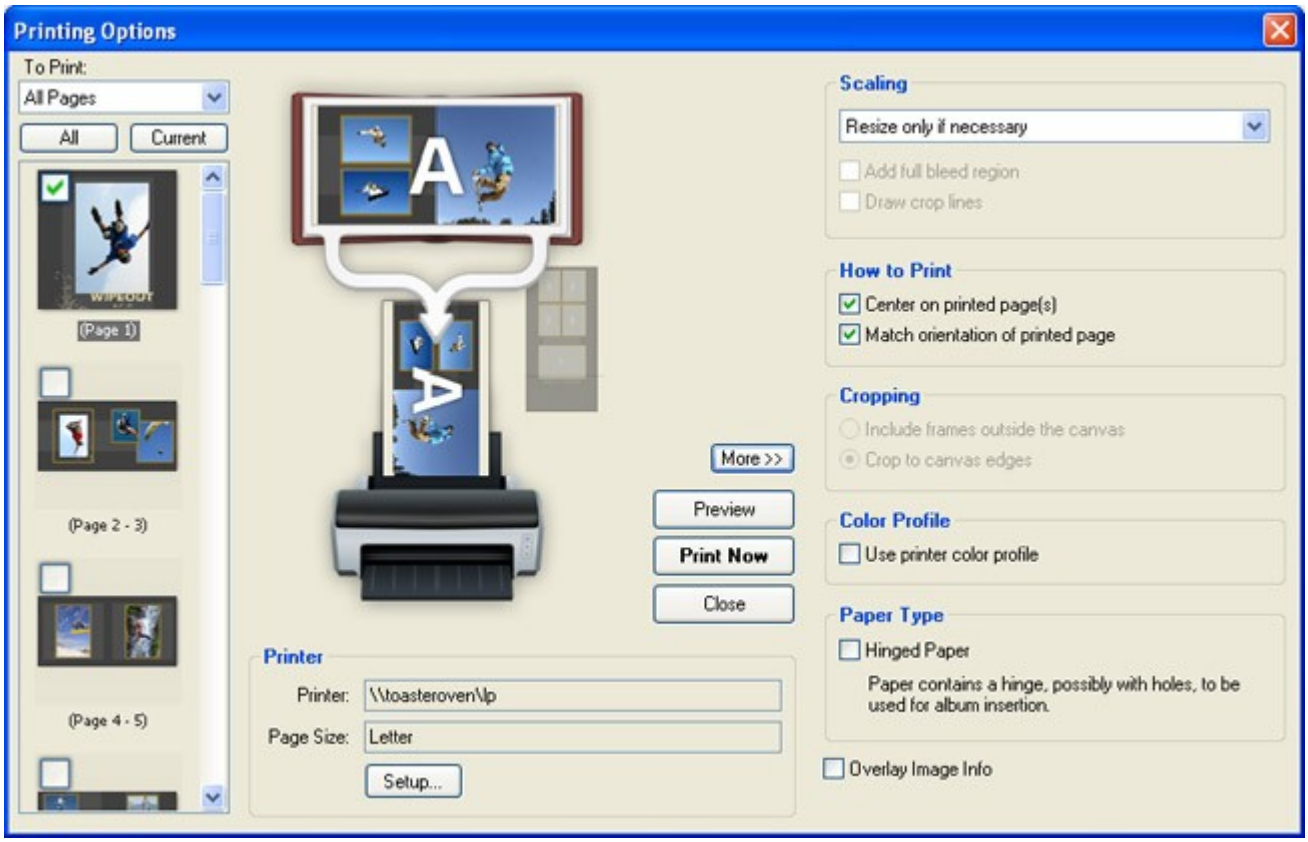
PDF files can be opened in Adobe Acrobat Reader and related products. PDF files can be generated as a flattened file type (smaller file), or as a layered file type. Multipage projects will render to a single multipage pdf.

TO PRINTER

To print your project on your local printer, click on FILE >> Print or select OUTPUT >> To a Printer.

Please note that FotoFusion will print multiple pages for Extreme license user and for Enhanced users working with multipage templates from the dotScrap marketplace. Some YearbookFusion users may be able to print, perhaps with a watermark or reduced quality, as per your yearbook publishing company's preferences.
This is the main Printing Options window, displaying a multipage project.
Click on the

button to view all available printing options if you do not see the options to the right side of the window.



Printing Single, Multiple Pages
Multi-page projects will display in column of thumbnails to left. The thumbnails that will be printed will display a checkmark. Turn the checkmark off to remove the item from the print job.

You can choose to print the "All Pages" or print like-size layouts (eg. 10x10s, then 20x10s) within a single layout.
Clicking the "All" button will select every page in the list; "Current" will select the page currently loaded on your Create screen.

Previewing Output

To preview your printed output, choose

. This will result in an onscreen preview of your printed output.
While previewing, several new buttons appear at the top of the page, which allow you to print the current preview; navigate to the next/previous page, show two pages at once (if your license enables you to make a multi-page project), and zoom in/out (expand the preview to see more detail)

Changing and Configuring the Printer: Clicking the

button allows you to select a different printer, as well as configure the print quality and other printer-specific options. Each printer driver is specific to the make and model of the printer, so be very careful when selecting options as these will affect your FotoFusion output. Be sure to check your printer setup to verify that your printer has the correct type of paper selected and that no options will interfere with your print job (eg. quality of print, multiple copies, etc.). Once the printer driver window has opened, choose PROPERTIES to look at the settings for the printer itself - for example, to make multiple copies, paper size and orientation.

Scaling: There are two main printing options in FotoFusion. **No Resizing** (even if it requires multiple

pages to print). This option will print your collage at exactly the dimensions that you selected when creating it. If your layout is 6x6 inches, it will be printed at exactly 6x6 inches on an 8.5x11 sheet of paper.If you layout is 36x24 inches, it will not fit on a single 8.5x11 sheet of paper. Extreme and some Yearbook licenses can printed output across multiple pages.Enhanced can only print to exactly one sheet at a time. **Resize only if necessary:** If your layout is bigger than the printed page, it will be printed at a reduced size; if it is too small, it will be printed larger. Use this option if the precise dimensions of your printed output don't matter: you just want to use paper as efficiently as you can. *Note that the options for Full Bleed and Crop are only available when printing at 1:1 (because these options are only relevant when printing precisely-measured output, and the 'fit' option resizes the image to fit the page).*

Full Bleed: If you have created a canvas with a bleed area, then turning on the "Add Full Bleed Region " option will print that region.

Crop Lines: If you have created a canvas with a bleed area, then turning on the "Draw Crop Lines" option will print crop marks where the canvas ends and the bleed area starts.

How to Print: You can choose to print centered on the printed page. You can also choose to match the orientation of the page. For example, if you have a 'landscape' layout (say, 20x10 inches) and you want to print it scaled to fit an 8.5x11 inch page, then you might want to print it with the 20" width along the 8.5" axis of the (portrait orientation) page... or have the orientations match, so that the 20" width has been rotated to print along the 11" axis of the page.

Cropping: *Include frames outside the canvas*: If you have frames that extend past the edges of the canvas, this option will expand the canvas to include those frames. A typical use is to correct for rotated frames in a jumbled collage - with this option set, those frames will not be cut off. Note that this option will change the dimensions of your printed canvas slightly if you are printing 1:1.
Crop to canvas edges: With this option set, your canvas will be printed exactly to the edge of the canvas and any frames that hang over that edge will be cropped

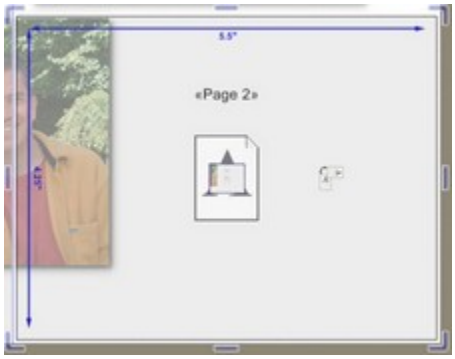
Color Profile The 'Use printer color profile' option -- available in ENHANCED and EXTREME -- tells FotoFusion to respect the color profile currently configured for the selected printer. Use the Windows printer configuration dialog (Setup...) to select a profile. If this option is not selected, FotoFusion will ignore the printer's color profile and process the collage directly to the printer.

Paper Type: This option will configure your printing options to rotate your page (based on its designation as a left-side or right-side page) and provide the appropriate diagram to orient your paper in your printer.

Overlay Image Info: This checkbox will turn on the options set in the Overlay Image Info settings, displaying information about your image files directly of the canvas. Your images can include labels to include file name, frame number or other exif information. This can serve the dual purpose of watermarking your proofs and providing a communication tool with your client.

PRINTER SEGMENTS: Extreme licenses include the ability to segment a composition into smaller

sections, allowing you to reassemble your composition in several ways.



A **"printer page segment**" is a resizable translucent frame that floats over your canvas, specifying how your larger canvas will be cut into separate printable areas.

Note how this type of segment specifies the page number of the segment.
This feature allows you to print layouts that are larger than your printer is able to output directly, as pieces which fit precisely together when assembled on a suitable background medium.

A **"segment"** is also a resizable translucent frame that floats over your canvas. It defines a smaller area of the canvas that can be transposed onto another area of your project.
It specifies a segment number.

This feature is useful for working with a template page which can then be reassembled a printer friendly-page, copied multiple times, or to assist working with an awkward orientation.

Printer Page Segments: Suppose that we want to print a 16x12" collage but have a printer that can print only print 8.5x11" paper.

To begin, click on VIEW on the menu, then select *Show Printer Segments*.
If no segments have been created, FotoFusion will offer to create segments to cover the page.

This will create a set of printer page segments to cover the image with a grid of pages:

In this example, there are 6 page segments, all of which can be adjusted like a normal frame to assure that the printer segments will fall in the best possible place for reassembling the larger puzzle. The red oval in the image above suggest a segment that should be move slightly to the right, along the border edge of the large image of the bride. The layout can now be printed; the portion of the collage covered by each printer page segment will be printed separately, and the individual pieces will line up correctly.
Below is page one of the entire composition

Note that the crop lines and full bleed for each segment of the image will be printed correctly if selected.
To manually add page segments, click on the Insert Menu item and choose Insert Printing Segment (or use the hotkey Ctrl-Shift-P).
Other suggested use: poster mosaics.

SEGMENTS are used to partitioning portions of your project for reassembly on a printer- or render-friendly page.

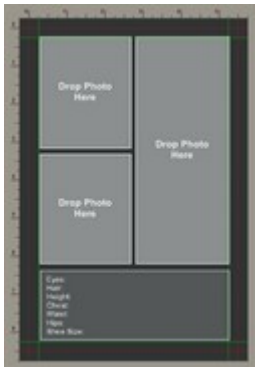
The example to the right is one of the Z-cards available as a template from the Marketplace. This template consists of a cover page (shown, right), a template layout page, and two "export-friendly" pages and 1 "printer-friendly" page.

The designer in this case has created a template containing empty frames, so that it can be reused with new images repeatedly.
The page to the right shows the design page -- this will not be printed or exported -- so it can contain instruction or variations of a single template.
In this case, both sides of the card are being designed at the same time, though they will do not need to be printed or exported at the same time.

The canvas size of this page is not important, but the size of the actual card on the page very important as this is the element that is going to be transferred to the final pages to be printed or exported.

To create printer page segments, draw a frame (drag with your mouse on the canvas) while holding the S key, to cover one of the regions to be transferred to a new page.
You can also choose the Insert menu item "Printing Segment" to add the adjustable frame over your canvas.
Adjust the printer page segment to cover the region precisely.

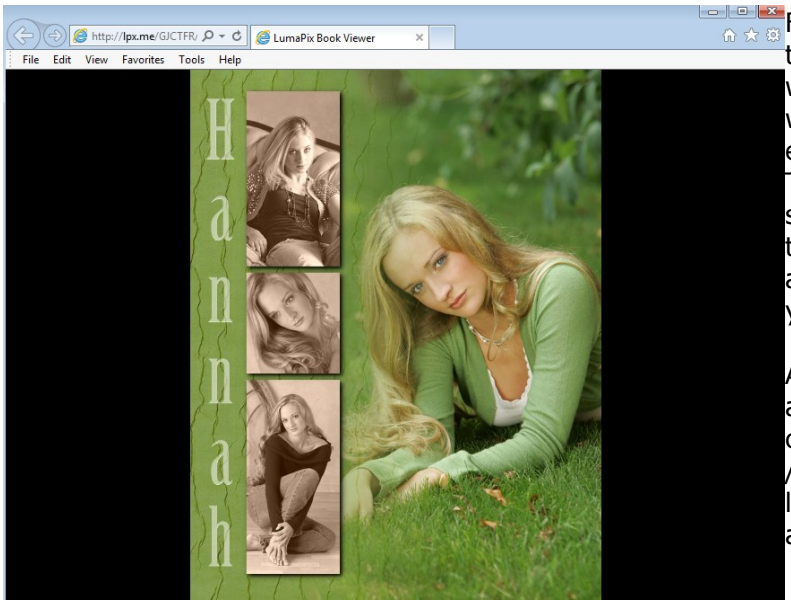
Once the areas have been defined, you can copy the segments to another printer or export-friendly page in the following manner.
If required, add a new page to the project, at the dimensions required.



On this new page, right-mouse-down on the canvas and select ADD > New Render Segment from the top of the drop-down list.
Alternatively, use the Insert menu's "Reference Region > Destination" option.
A drop-down list of available segments will appear. One segment can be added multiple times on a page, to create a sheet of duplicate items to print. Individual segments on a page can be rearrange, to create a more efficient use of paper (ie. rotate segment to fit them better on a page).
If you edit the original layout, the changes will be reflected on this printable/exportable page.

Other suggested uses: business card (multi-up on one page); bifold greeting card (to avoid designing "upside-down"; creating a printer-efficient pattern for a larger composition of smaller elements.

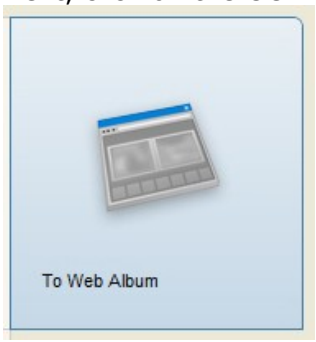
TO WEB ALBUM



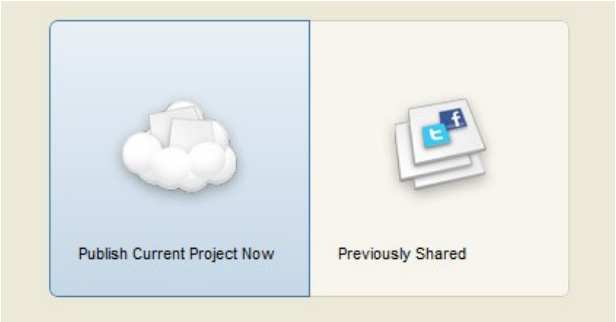
FotoFusion allows to you upload your project to the LumaPix server as an online slide-show with custom transition styles. It provides you with a web address and QR Code, which can be easily shared with friends, family and clients. This no-fee service will exist for 30 days on the server, and will include LumaPix branding on the final slide. (This feature may not be available with YearbookFusion if disabled by your yearbook publisher.)

After uploading, your project is assigned a web address, which can be accessed on any computer or tablet (iPhone/iPad /Android /Blackberry/PC/Mac etc.). You can publish the link to Facebook or Twitter, or send it by email, as you wish.

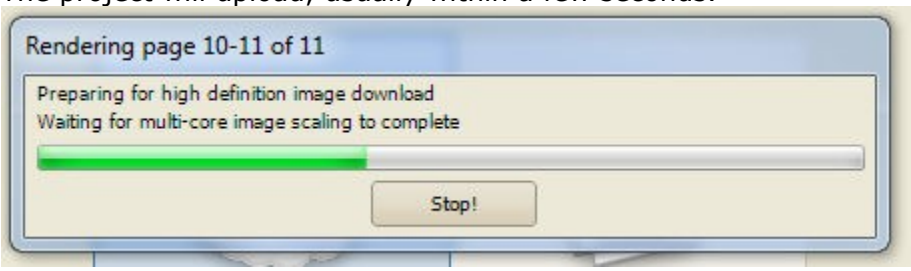
Publishing to Web Album: To publish a web album, first launch your project in FotoFusion (File > Open).
Next, click on the OUTPUT tab and choose TO WEB ALBUM.



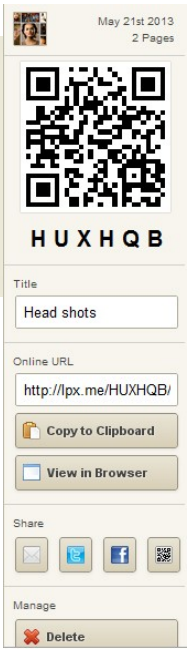
Click **Publish Current Project Now** to upload your project to the LumaPix server.



The project will upload, usually within a few seconds.


Rendering page 10-11 of 11
Preparing for high definition image download
Waiting for multi-core image scaling to complete
Stop!

Once uploaded, the Web Album manager screen will appear.



Sharing and managing your Web Albums: The five letter code and QR Code at the top of the Web Album manager is the unique identifier for your project.
Note that is part of the URL where you album can be accessed.

Change the **Title** of the project, to more quickly identify it in the Web Album manager.

To make a copy of the ulr where your project has been published, click the **Copy to Clipboard** option. Paste (ctrl-v) this url to transmit the album's web site address manually to an online email application (eg. gmail, hotmail, yahoo mail) or messenger.
View in Browser will immediately launch the album in your default browser.

Share the album via **EMAIL** - clicking on the Email button launch your default installed email application with a new message and the url automatically inserted in the message body.
Click on the **Twitter** or **Facebook** links to post the link to your accounts -- a browser login will be required to do so.
Click on the **QR Code icon** to generate a large preview of the code, suitable for scanning with your phone, directly from your computer screen.

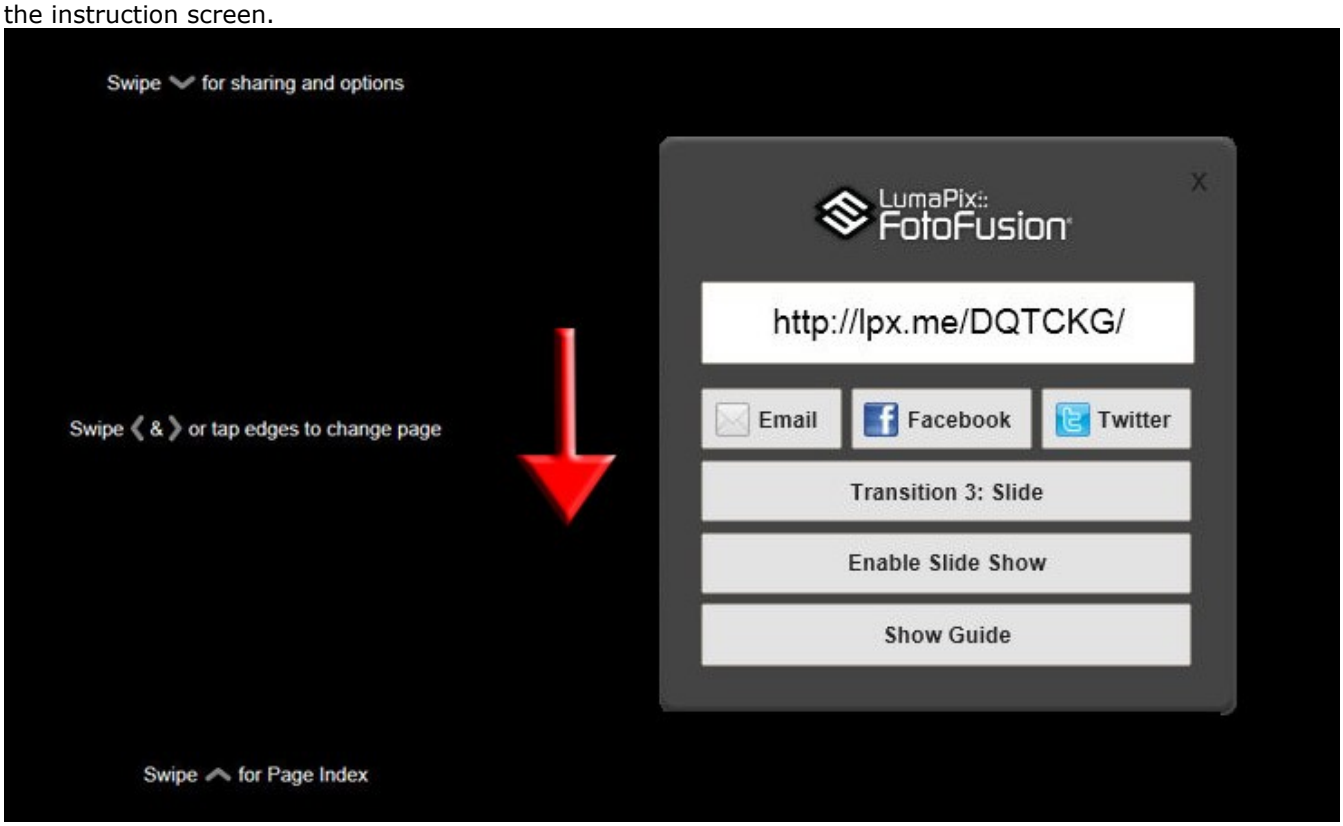
Click **Delete** to remove the album permanent from the LumaPix server. Albums will expire automatically in 30 days, but you can repost them if you wish.

To manage your work after uploading it, return to the Upload to Web Album screen and choose the **Previously Shared** option.

Viewing the album online: Follow the url (directly from the Web Album Manager, via a link sent by email or posted on Facebook or Twitter) to launch a webpage with a set of basic instructions. Move from page to page by swiping the screen left (or right, to go back) with your mouse, or, on a touch screen, with your finger, not unlike a e-Reader.

Images courtesy of Richard Esposito.|

Options for sharing, transition style and slide show view are accessed by swiping down. Show guide returns you to the instruction screen.



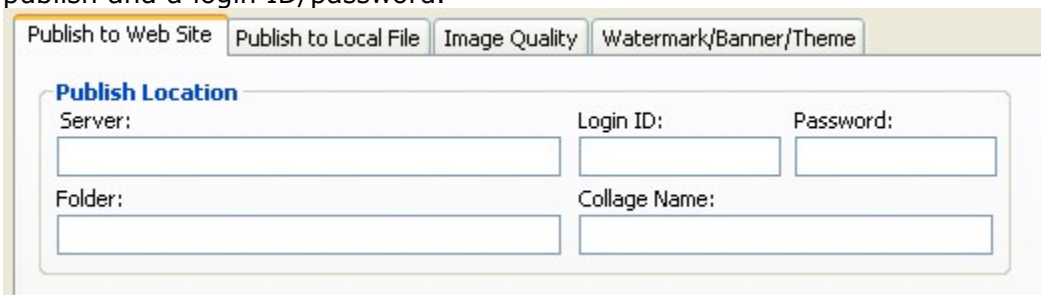
Swipe up to display thumbnail previews of all pages. Select one of the page thumbnails to zoom to the page.

TO YOUR WEBSITE

FotoFusion includes an integrated FTP client and allows you to publish your collage directly to a web site as an online photo gallery.
Note: this does not enable you to upload to websites like Facebook or hosted blog sites.

If you wish to publish the files without using an ftp to them to your server directly, click on **Output to the Web** tab, which will render your files locally.

To Publish directly to your website: First, you need to have the name of a server to which you will publish and a login ID/password.



Enter your login information for the web site, and choose a folder and name to store the remote file under. Once you have published a collage to the web, it will appear in the list of Published Web Collages, allowing you to quickly review work you have already done. The important decision of whether or not to include original images should be made at this time.
In addition to the file name, published original images will contain the FotoFusion frame number for easy reference purposes. You can choose to publish now, or choose additional options on the Image Quality and Watermark tabs. These options are identical between the Publish (to Web) and the Email areas and so we will cross-reference these two actions:

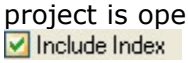
Including Original Images
Image Attributes
Watermarking
Banners

When your options have been configured you can Preview or Send the results to your server. If you already have an existing online web gallery, you can easily produce a collage from it. Reasons for doing this include:

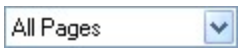
- Sending emails to customers or friends with a collage of the contents of your web gallery, inviting them to come to your gallery to browse.
- Producing collages and exporting them to HTML to integrate with your gallery as a more interesting 'table of contents.'
- Printing out a collage of your recent work.

To bring an image from a web page into FotoFusion, simply drag it from your web browser into FotoFusion. Done!

Multi-page publishing: Extreme users can publish multiple pages simultaneously. When a multi-page project is open, the Publisher window will include add two options:



If this is option is selected, a thumbnail preview of your work will be included in the generate files.



can be selected to publish the entire project. If you only want to publish one page at a time, switch this to "Selected Page."

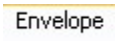
HTML Custom Themes: You can define your own HTML themes for both Email and Web output. The Share tab section of this manual contains complete details.

TO EMAIL

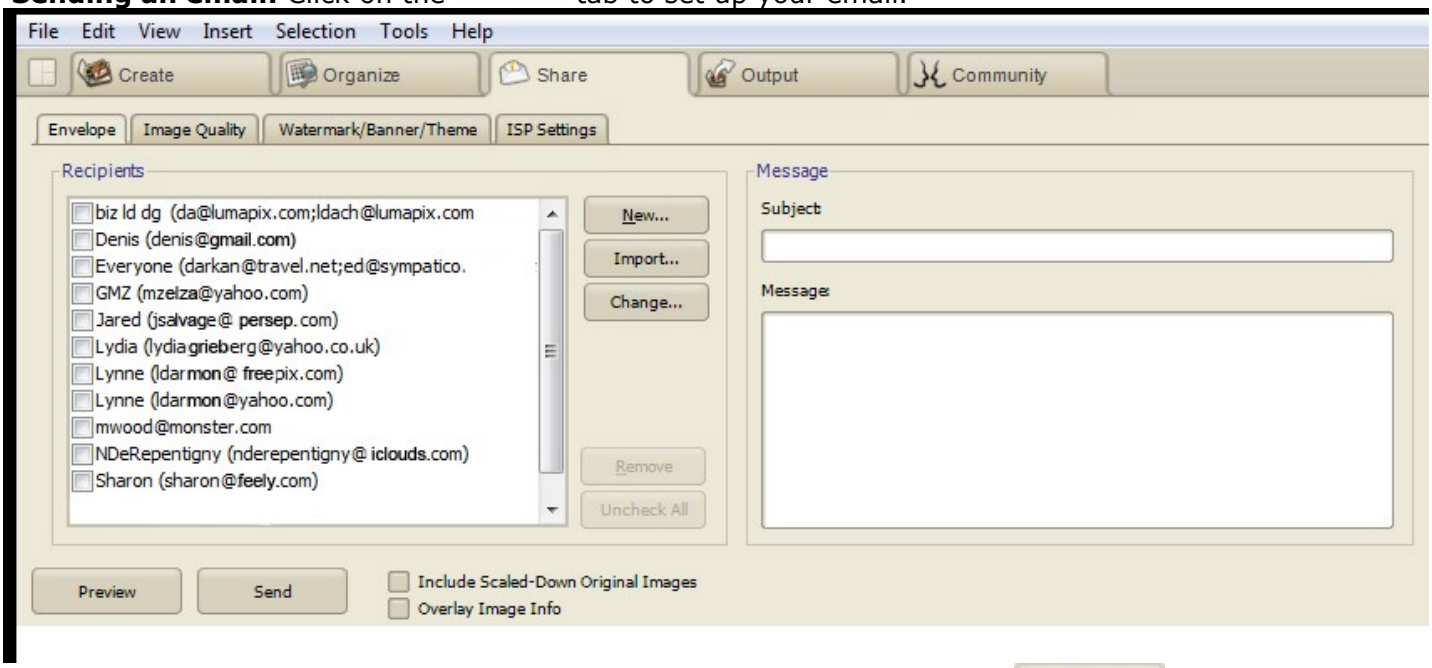
FotoFusion streamlines the process of sharing your images with others by email via the

tab. Use the Share tab to send "postcard" collages or very low-quality proof documents to clients.

Basic configuration: The first time you send an email, click on the ISP SETTINGS tab. You will need to your "reply to" email address and your name, so the email recipient will see who the email is from, and can reply to your message. We suggest using the LumaPix server to send your emails (versus your own ISP), as it is guaranteed to work.

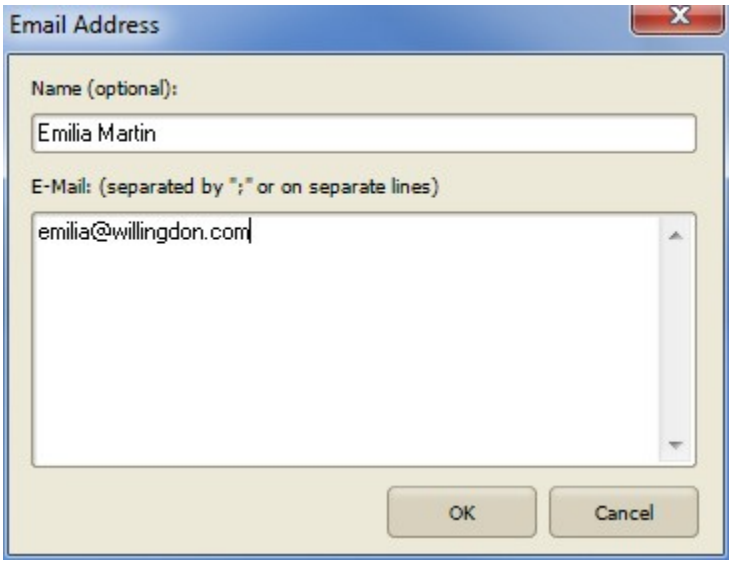
Sending an email: Click on the 

tab to set up your email.

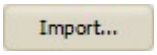


If you have never sent an email to the recipient you have in mind, click on

to add them to the list:



The recipient's name and email address will be saved in the 'recipients' list to make it easy to send mails to those people again; in the future, you can simply click on the check box in the 'recipients' list to have the email sent to them.

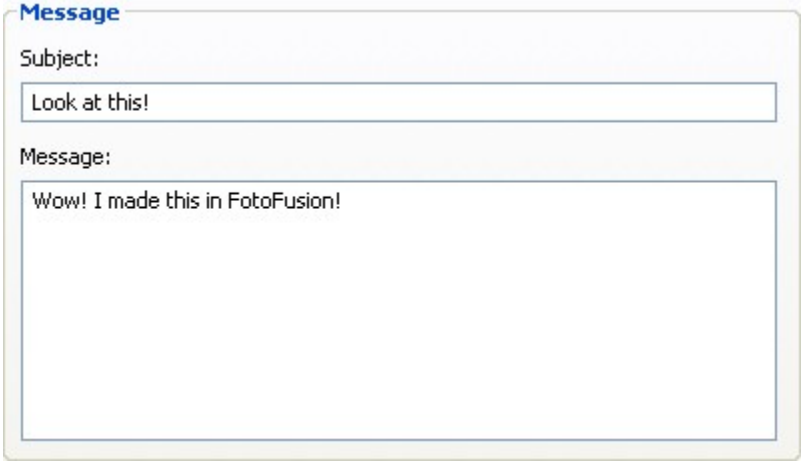
The 

button provides tools that attempt to import your contacts from the Microsoft Address Book into FotoFusion to avoid your having to retype known Email IDs. To edit your list, click on the

button.

Your email list is saved as a text file in your MY COLLAGES folder (C:\My Documents\My Collages) should you need to edit the list. It can be opened with Windows Notepad for easy editing.

Editing the email message: Enter a subject line and a message text. This will appear on the subject line of your email, and as the text body of your message.



Including Original Images: Your email can contain just the collage, or it can contain the collage and scaled-down versions of all the original images that make up the collage. The latter allows the recipient of

your mail to click on images in the collage and see the original images on their own:

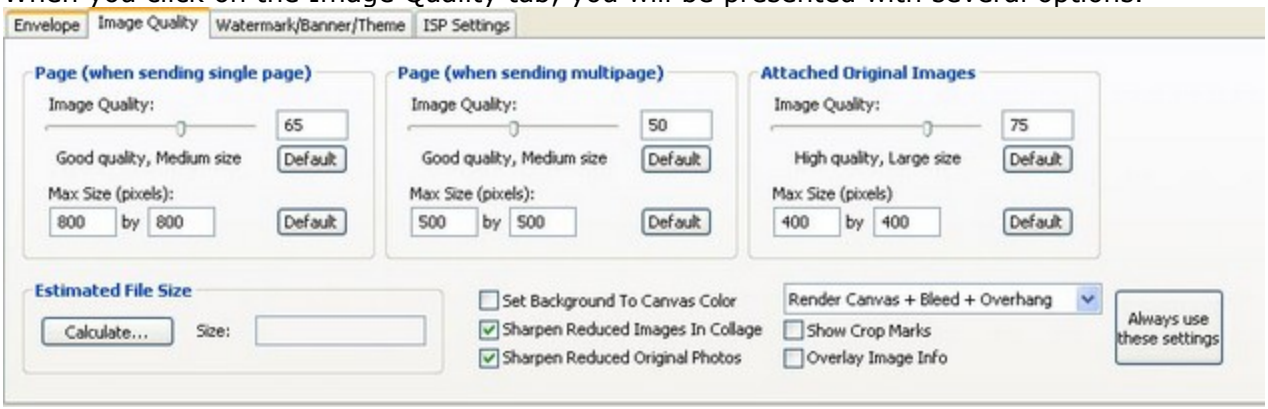
To enable the inclusion of original images, turn on the 'Include Scaled-Down Original Images' option:

To include the file name on the project's images, turn on the 'Overlay Image Info' option:

Multipage emails: Extreme and Yearbook users an specify if you want to send a multi-page email ("All Pages) or a single page ("Selected Page").

Specifying compression, image sizes, and other image options

When you click on the Image Quality tab, you will be presented with several options.



You can set the image quality used for both the collage and the attached originals, or manually enter the pixel size for the image. We suggest leaving the Default settings.

If you have **set background to canvas color** enabled, the color of your canvas will be used to set the email background.

For your cropping options, change the drop-box option.

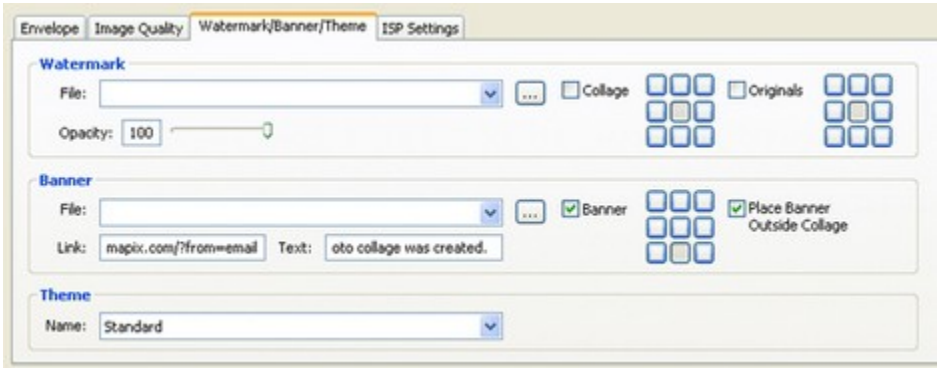
You can **RENDER CANVAS ONLY** will cut away anything outside of the edges of your canvas, leaving

only the portion directly on the canvas. This is useful to keep on, in case you have dropped an image outside the canvas. However, leaving it off can create an interesting effect if you have elements hanging over the edge of the canvas.
You can also **Render Canvas + Bleed**, if one is specified (Enhanced, Extreme only) or, to display every part of every image on the Create screen canvas, select **Render Canvas + Bleed + Overhang**.

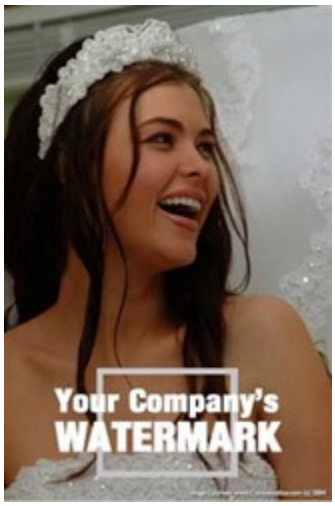
Configuring an ISP (Optional): An ISP is an acronym for Internet Service Provider, meaning the company which provides your internet access and often also provides you with an email address as well. By default, mails send from FotoFusion go through the LumaPix mail server (the mails go from FotoFusion to www.LumaPix.com to the recipient, instead of going via your regular email server).
This is done as a courtesy to our trial and paid customers, to ensure that they have as smooth a demo of FotoFusion as possible; the alternative (having trial users configure their ISP settings) would result in far fewer successful mails sent by trial users, as ISP setups can be confusing.
Once users have upgraded from the trial version to a paid version of FotoFusion, they have the option of continuing to go via the LumaPix server or using their own ISP.
The advantages of using your own ISP are:
1. Much higher maximum message size (we limit mails through LumaPix.com to reasonable sizes to protect the account from overuse).
2. You own the mail pipeline from start to end.
To send email through your own ISP, check the "Send Using My Own ISP E-Mail Settings" box. Click on DETECT MY SETTINGS to automatically connect, and, if you wish, click on TEST THIS SETTING to send an email to yourself.

Watermarks, Banners and Themes: FotoFusion also allows to watermark your images, or add a banner to them to brand your emails. You can also choose different appearances for your email by changing the theme. Watermarks and Banners can also added to your files, created from Output to a File. Watermarks protect your work from reproduction (eg. proofs), and banners label your projects, much like attaching a business card to your work.

Adding Watermarks: Click on the Watermark/Banners/Theme tab to apply a watermark to your output.



Watermarks give you a way to label your work such that the customer can decide if the pictures are right for them but not be tempted to save them locally:



If you are using graphic content that requires re-editing:

1. Use an image editing application such as Adobe® PhotoShop® to create an image with a *transparent* background.
2. Save this image in the 'PNG' file format with transparency enabled into the Watermark.
3. Place the PNG file into the 'Watermarks' folder where FotoFusion was installed.

If you are only using text or pre-extracted graphics:

1. Open a new canvas in FotoFusion
2. Turn the canvas frame image opacity to 0, or delete the canvas frame.
3. Add text and graphics as required.
4. Render the file to png format, sending it to the 'Watermarks' folder where FotoFusion is installed.

To apply a watermark,

1. Browse for the file you wish to use as your watermark.
2. Turn on the checkbox next to Collage (to watermark the page) and/or Originals (to watermark attached original images)
3. Select where you would like to place your watermark using the grid (top, side, bottom, etc.)
4. Select the opacity of your watermark using the slider bar.

Adding Banners

Just as with Watermarks, custom Banners can be created in FotoFusion or Photoshop, or similar programs and overlaid over email or web output.A banner is an image with an embedded hyperlink; it is typically opaque, as you WANT the user to see and click on it. An example use of a banner would be to have recipients of your emails click on the banner to visit your site.

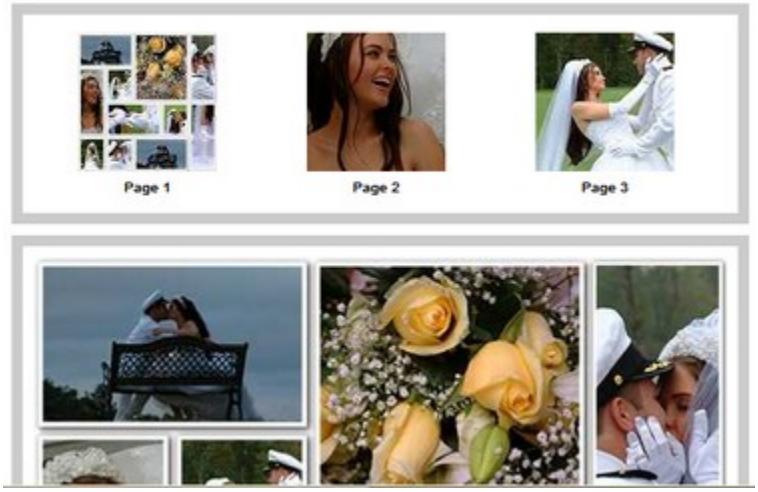
The 'Link' field allows you to specify the address that the banner should link to (e.g. http://www.WEBADDRESS.com).

The 'Text' field contains the text that will be shown in a 'tooltip' when the recipient rolls their mouse over the banner.

The 'Place Banner Outside Collage' checkbox allows you to control whether the banner will lie inside or outside of the embedded collage.

Email & Publishing to Web Themes : FotoFusion allows you to modify the templates used by Email and HTML publishing to get a look that matches your web site or personal preferences. FotoFusion is bundled with several themes, which can be changed on the Watermark/Banner/Theme tab. The theme will change the way your output is displayed, adding background color and borders around your images. To change the theme, click on the combo-box in the Watermark/Banners/Theme tab under the Email or Publishing tabs:

Three themes -- Black with Grey Frames; Minimalist and Standard provide simple aesthetic choices for the way your work will look. The **Album Preview theme** is useful for multi-page albums, as it includes page thumbnails at the top of the email.



The **Contact Sheet theme** is useful to all users. Instead of rendering a collage, all images on your canvas will be arranged cleanly into thumbnails with file information. ** Note: you need to have "Include Scaled-down Original Images" checked to produce contact sheet-style info.

Creating your own theme: FotoFusion also allows you to create custom themes for your emails and for the pages you publish to your web site. If you wish to design your own themes, it is recommended that you examine the pre-existing themes included with FotoFusion ***(located in C:\Program Files\LumaPix\FotoFusion V4\Themes)***, to get an idea of their construction, then attempt to customize your own.

The following instructions are written with the assumption that you are viewing the structure and design of the sample themes located under the "Themes" folder of your FotoFusion installation. Each template must be located in a unique folder located under the "Themes" folder. Every template must include the following files:

- **email.htm**
- **index.htm**
- **page.htm**
- **photo.htm**

Note: Any images used in the theme design must be located in a sub folder named "images."

email.htm
The "email.htm" is a special file which contains the entire design needed to send an email. The various portions of the email which need to be repeated are wrapped in special tags.

There are also various tokens which are required to tell FotoFusion how to render your design. A complete list of these tokens is available below. Please refer to the sample html files to see how these tokens are best used in your designs.
The "header section" tags indicate which part of the html is to be used at the beginning of the email:
<!--START HEADER SECTION-->
<!--END HEADER SECTION-->
The "index section" tags indicate where the Index portion of the email should be, and must contain the "start/end index thumbnail" tags, which will be duplicated over and over for each page thumbnail.
<!--START INDEX SECTION-->
<!--START INDEX THUMBNAIL-->
<!--END INDEX THUMBNAIL-->
<!--END INDEX SECTION-->
The "page section" tags indicate which part of email.htm should be used for the pages. The html code contained between these tags will be duplicated over and over for every page in the project.
<!--START PAGE SECTION-->
<!--END PAGE SECTION-->
The "photo section" tags indicate which part of email.htm should be used for your project's images. The html code contained between these tags will be duplicated over and over for every photo in the project.
<!--START PHOTO SECTION-->
<!--END PHOTO SECTION-->
The "footer section" tags indicate which part of the html is to be used at the end of the email:
<!--START FOOTER SECTION-->
<!--END FOOTER SECTION-->
index.htm
This page is used strictly for web publishing, and is independent of emailing. It requires specific tags and tokens in order to render correctly. Please reference the sample index.htm to see this file's recommended structure.
The "start/end index thumbnail" tags will be duplicated over and over for each page thumbnail.
<!--START INDEX THUMBNAIL-->
<!--END INDEX THUMBNAIL-->

page.htm
This is used strictly for web publishing, and is independent of emailing. It does not require any specific tags, and only needs various tokens to render correctly. Please reference the sample page.htm to see this file's recommended structure.
photo.htm
This is used strictly for web publishing, and is independent of emailing. It does not require any specific tags, and only needs various tokens to render correctly. Please reference the sample photo.htm to see this file's recommended structure.
Tokens
The meanings of the various tokens which can be used in your designs are detailed below. As always, it is best to refer to the sample templates to see how these are best used.
{FF_EMAIL_SUBJECT}: Email subject
{FF_EMAIL_MESSAGE}: Email message
{FF_EMAIL_BANNER}: LumaPix email banner ***(required in email.htm for trial and Essential users)***

{FF_PROJECT_MAX_WIDTH}: The value of the widest element in the project

{FF_PAGE_NO}: Page number
{FF_NB_PAGES}: Total page count

{FF_TO_PREVIOUS_PAGE}: Link to previous page
{FF_TO_FIRST_PAGE}: Link to index page
{FF_TO_NEXT_PAGE}: Link to next page

{FF_PAGE_DIRECTORY}: Directory of the image representing the page
{FF_PAGE_FILENAME}: Filename of the image representing the page

{FF_PAGE_THUMBNAIL}: Filename of the thumbnail image representing the page
{FF_PAGE_THUMBNAIL_INFO}: Textual information about a page thumbnail

FF_LINK_TO_PAGE_{FF_PAGE_NO}: Link to current page
FF_LINK_TO_INDEX: Link to index

FF_PHOTO_MAP_FOR_PAGE{FF_PAGE_NO}: Unique photo map name per page
FF_PHOTO_MAP: The actual photo map per page

FF_TO_PREVIOUS_PHOTO: Link to previous photo
FF_TO_PARENT_PAGE: Link to parent page
FF_TO_NEXT_PHOTO: Link to next photo

FF_PHOTO_NO: Photo number
FF_LINK_TO_PHOTO_{FF_PHOTO_NO}: Link to current photo
FF_PHOTO_DIRECTORY: Directory of the image representing the photo
FF_PHOTO_FILENAME: Filename of the image representing the photo
FF_PHOTO_DOTSCRAP_LINK: Link to a dotScrap element (if an element is not a local photo)
FF_PHOTO_WIDTH: Photo width
FF_PHOTO_HEIGHT: Photo height
FF_PHOTO_DESCRIPTION: Photo description

Adding Custom Tags to Emails
FotoFusion Extreme allows you to use custom EXIF information in your source images to add to your email themes.
You will need to edit the following information in the Email theme, substituting your custom tag for one of the existing ones…
%name%.%type%
Date:
%date%
Photo Number:
{FF_PHOTO_NO}
Focal Length:
%focallength%
Shutter Speed: %shutter%
In this example, we will replace "Shutter Speed" with "Last Name" information.
Go to the folder you created for the theme (C:\Program Files\LumaPix\FotoFusionv4\Themes\ExifEmail) and open email.htm in Windows Notepad (and not a Word document, as html coding will be included, rendering the file unusable).

In this case, search for "Shutter". You will see something like this:
<td style="border:solid 0px #CCCCCC; background-color:#F2F2F2; font-family: Arial, Helvetica, sans-serif; font-size: 10px; font-weight: bold; color: #000000;">Shutter Speed: %shutter%</td>

Most of this is a description of the table format – the relevant information is at the end -- *Shutter Speed: %shutter%*
Replace that with the name and tag ID of choice, for example, *Last Name: %studentLastName%*

Save your work, and ensure that FF has 'ExifEmail' selected as a theme. Preview the email again. If all has been entered correctly, you will see
Filename.jpg
Date: xx/xx/xx
Photo Number: y
Focal Length: z
Last Name: (Student's Last Name)

UPLOAD TO PUBLISHER

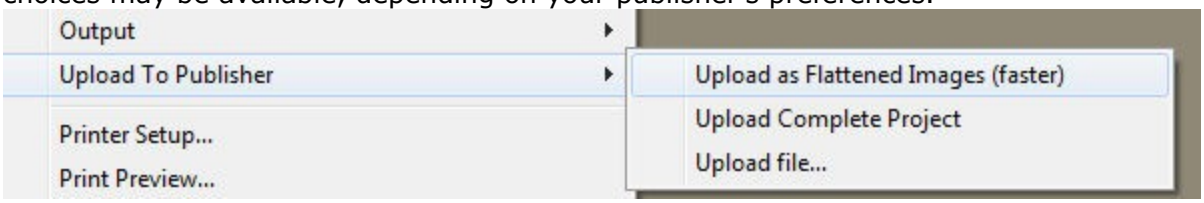
If FotoFusion has been provided to you by a book printing company, you most likely will be able to send your completed projects directly to their server (eg. YearbookFusion users, some Extreme users). **Most Enhanced and most Extreme users will not find this option available** - you can render your project and send the files to any printing company of your choice.

Before submitting the project to your publisher, all pages of the project should be compiled into a single complete project.
For YearbookFusion users, please consult the section Managing Your Yearbook for complete details.

Before uploading, FotoFusion will check your project for problems. You may get **resolution warnings** (when an image is of insufficient quality or over-zoomed) and for red frame numbers (images that have become disconnected from the original files). Files with red resolution warnings should be replaced, to ensure that the project will print with sufficient quality as per your publisher's recommended values.

You do not need to configure anything to send the files to your printing company, other than to have an active high speed internet connection available.

Under the **File** menu, or from the Output tab, choose the **UPLOAD TO PUBLISHER** option. One or more choices may be available, depending on your publisher's preferences.



If you see only one option, then your publisher has chosen this method as the exclusive upload method. If you have two options, ask your publisher which method they prefer. Flattened files will take less time to upload, but the publisher will not be able to make any corrections to the project.

Upload as Flattened Images renders your project to a flattened file, and sends the resulting package to your publisher directly.
Upload Complete Project sends your publisher an archive, which can be reopened and edited by the publisher.
Upload File... allows you to send a single image or project to your publisher (eg. a logo). Do not send . scrap files to your publisher - they will not be able to open them as there are no associated images tied

to the project.

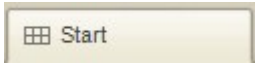
Uploading can take quite a bit of time (hours, in fact, if it is a large project), and is dependent on the speed of your internet connection, your publisher's server, and the size of your project.

GRAPHIC RESOURCES & TEMPLATES

FotoFusion users have access to a collection of high-quality embellishments and templates, designed for hobbyists, schools and pro-photographers. These materials are instantly accessible with a high-speed Internet connection.

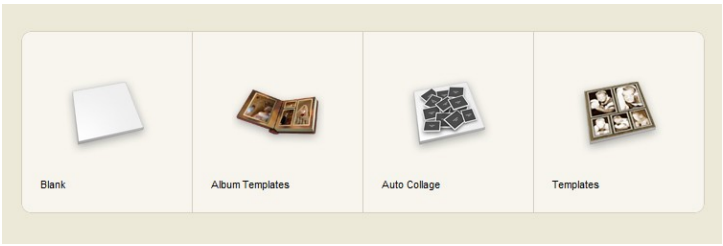
The collection is an on-demand resource for graphic embellishments and templates, all located securely on the LumaPix server.
You can find graphic content in several ways...

From the Start tab...

Click on the 

tab, then select **New Project** to get to the templates section.

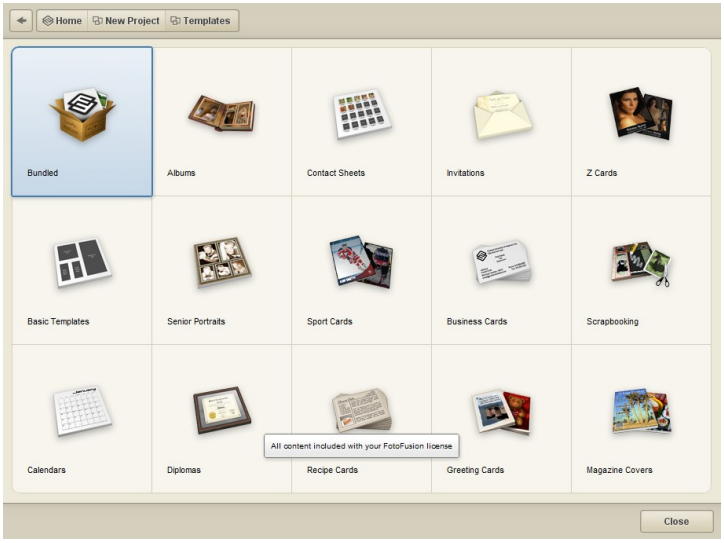
The selection of templates will change depending on your license type (Enhanced, Extreme or Yearbook).



In this Extreme user's view, Templates shows a variety of template themes. Select a theme to view the available template collection.

YearbookFusion users will be offered Yearbook theme sets and other school-related materials.

Choose Bundled to see only the templates that are free with your license. Most Yearbook users will only see free content.

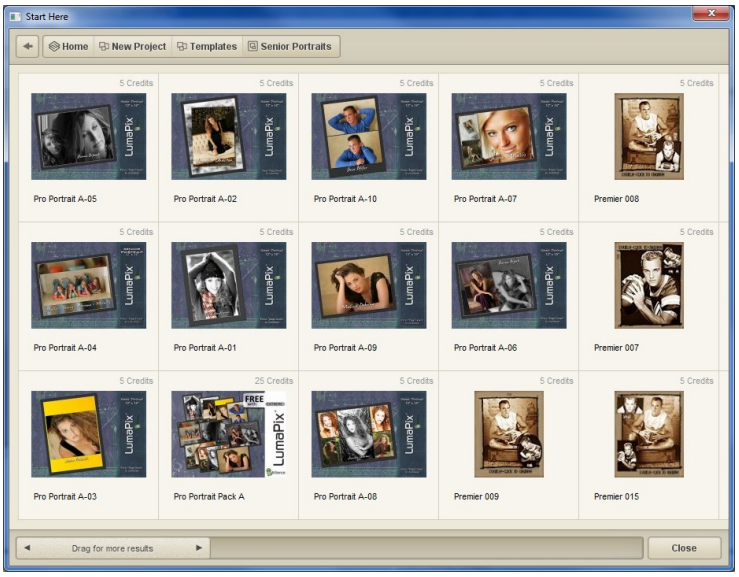


The categories will bring to a preview of the available templates.

In this example, the Senior Portrait layouts are displayed.

Use the slider bar at the bottom of the page to see additional templates.

If you wish to go back to the categories, click on the buttons at the top of the page - you'll be returned to the selected level of the hierarchy (eg. click on New Project to return to all new project options).



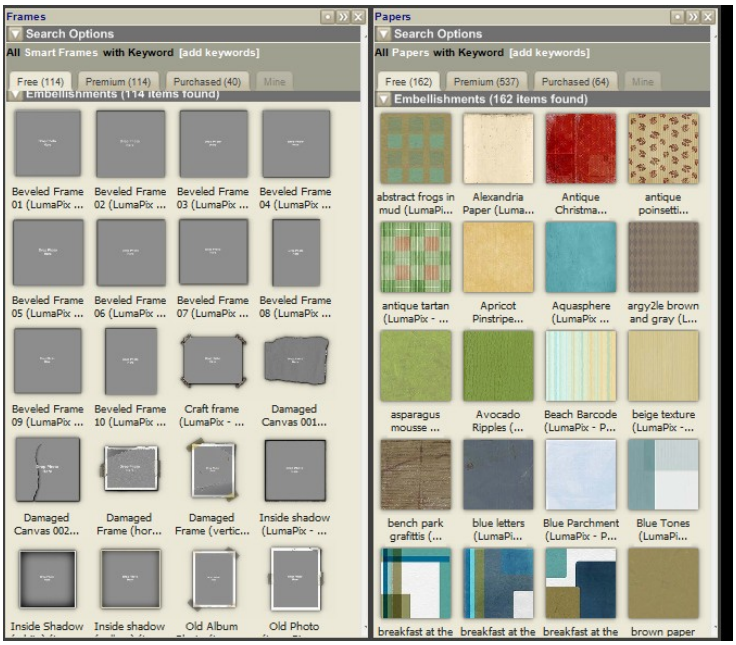
Notice that the previews contain information about the purchased status of the template.
You own this indicates that the content is part of your bundled collection of graphics (or that you have already purchased it)
A credit value indicates that the template requires an additional purchase to unlock it.

From the Search hovers...

On the Create tab, you can use preset hovers, such as Papers **and** Frames hovers to look at available graphic content.

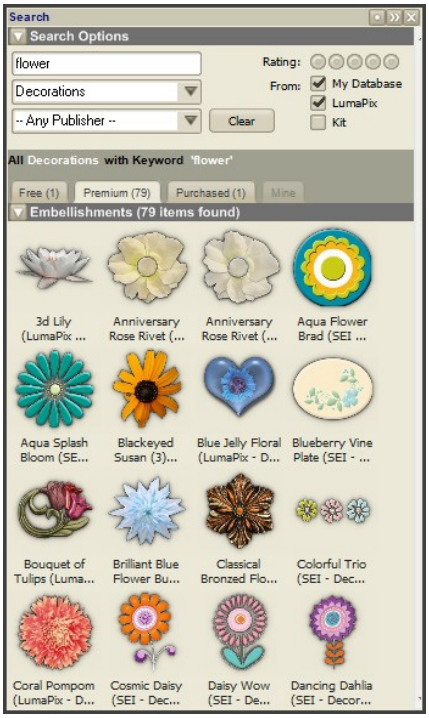
Notice the FREE, PREMIUM, PURCHASED and MINE tabs at the top of the hovers.

Free content is part of your bundled collection.
Premium content requires a purchase to unlock it.
Purchased content displays content you have unlocked, and can reuse.
Mine refers to content that has been tagged in the Organizer, from your personal collection.

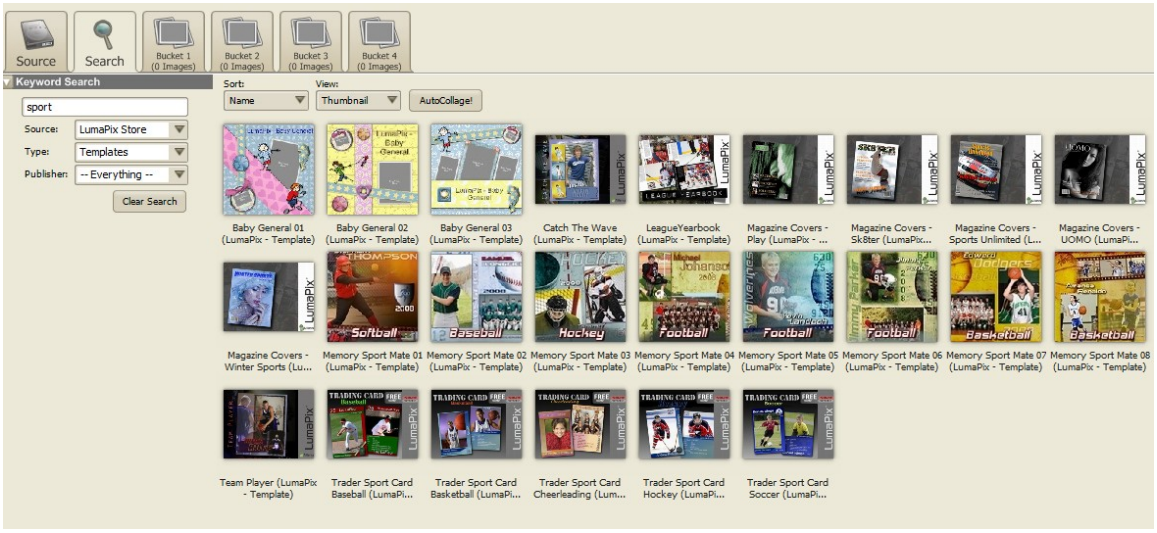


The Search hover allows you to look for material by type or by keyword. Try searching using keywords such as color, an event, holiday or activity, and/or use the TYPE box to specify the type of graphic content you would like to find, such as templates or embellishments + decorations.

In this example, a search for all Embellishments + Decorations with the keyword "flower" yielded several results.



From the Organize tab... The Organize tab allows you to search for content in the same manner as the general Search hover.Click on the SEARCH tab, and use keywords and type to locate available materials. Their ownership status (free, premium, purchased, mine) will not be displayed in this view.


Source
Search
Bucket 1 (0 Images)
Bucket 2 (0 Images)
Bucket 3 (0 Images)
Bucket 4 (0 Images)
Keyword Search
sport
Source: LumaPix Store
Type: Templates
Publisher: -- Everything --
Clear Search
Sort: Name
View: Thumbnail
AutoCollage!
Baby General 01 (LumaPix - Template)
Baby General 02 (LumaPix - Template)
Baby General 03 (LumaPix - Template)
Catch The Wave (LumaPix - Template)
LeagueYearbook (LumaPix - Template)
Magazine Covers - Play (LumaPix - ...
Magazine Covers - Sk8ter (LumaPix...
Magazine Covers - Sports Unlimited (L...
Magazine Covers - UOMO (LumaPi...
Magazine Covers - Winter Sports (Lu...
Memory Sport Mate 01 (LumaPix - Template)
Memory Sport Mate 02 (LumaPix - Template)
Memory Sport Mate 03 (LumaPix - Template)
Memory Sport Mate 04 (LumaPix - Template)
Memory Sport Mate 05 (LumaPix - Template)
Memory Sport Mate 06 (LumaPix - Template)
Memory Sport Mate 07 (LumaPix - Template)
Memory Sport Mate 08 (LumaPix - Template)
Team Player (LumaPix - Template)
Trader Sport Card Baseball (LumaPi...
Trader Sport Card Basketball (LumaPi...
Trader Sport Card Cheerleading (Lum...
Trader Sport Card Hockey (LumaPi...
Trader Sport Card Soccer (LumaPi...

In this example, the Keyword = Sport and the Type = Templates shows the following results.

Double-click on Templates to launch them, or right-mouse select templates to append them to existing projects.Add embellishments to a bucket to transport them to the Create screen.

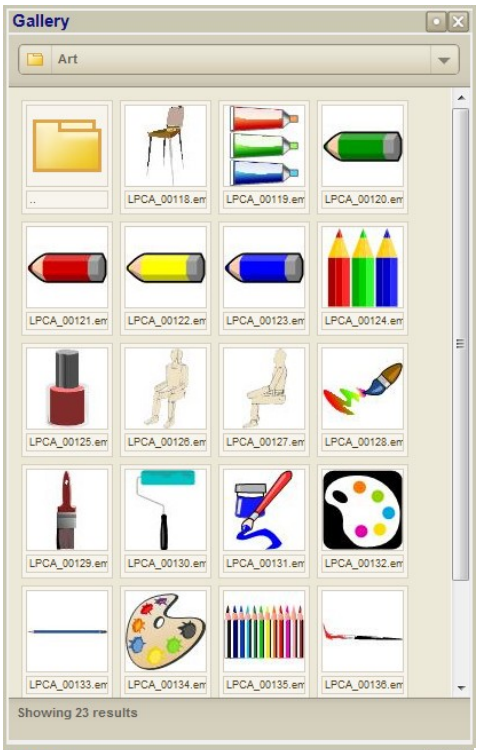
YearbookFusion Gallery collection: Yearbook users will find thousands of items in the Gallery hover. This contains a special collection of school-specific graphics.
Enhanced & Extreme users will not find a Gallery hover in their software -- the Gallery is a YearbookFusion-exclusive feature.

Click on this hover to open it, and then click on the down arrow to point to the **LumaPix Clipart** folder. You'll see four folders: Clipart, Covers, Headers and Papers. (You may also see a folder from your yearbook publisher, with additional content.)

The **Clipart** folder contains thematically-arranged collections of drawings, decorations, stickers and photographic art.

- *Celebrations & Observances* has material related to events (eg. graduation, Christmas).
- *Decorations* contains purely decorative art, such as cartoon bubbles, suns & moons, party decoration, swirls, and stickers.
- *Interests & Activities* contains items that relate to study and clubs commonly found in school, such as art, science, sports, religion, the environment, etc.
- *Objects* has a vast array of items, such as animals, clothing, av equipment, nature, and school supplies, to name a few.
- *People* provides clip art, mostly in cartoon style, of adults and kids.

To see a complete list of this collection in PDF format, visit this webpage.

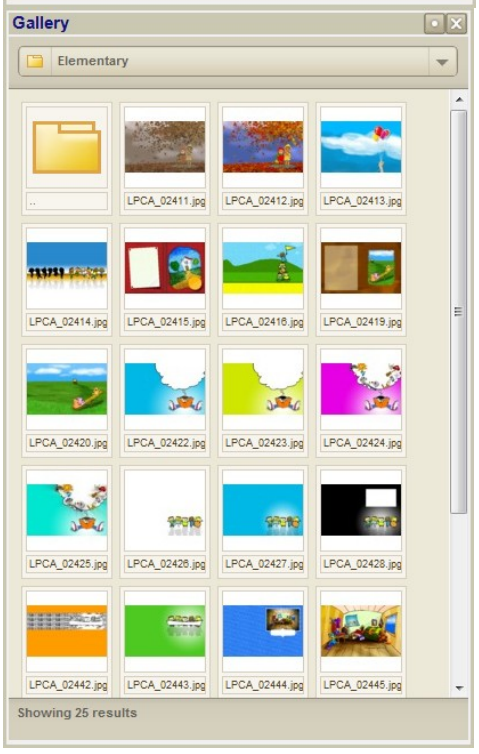


The **Covers** folder contains double-page sized backgrounds you can drop onto a cover page then add your own text.

The covers appear as a flattened page - the back cover is on the left side, the front on the right. If applied to a cover sheet page type, you'll see thin green lines in the middle of the page, showing where the spine of the book will lay.

Tip: There is no reason you can't use these items inside your book, added as papers to the canvas background across album two-page spreads.

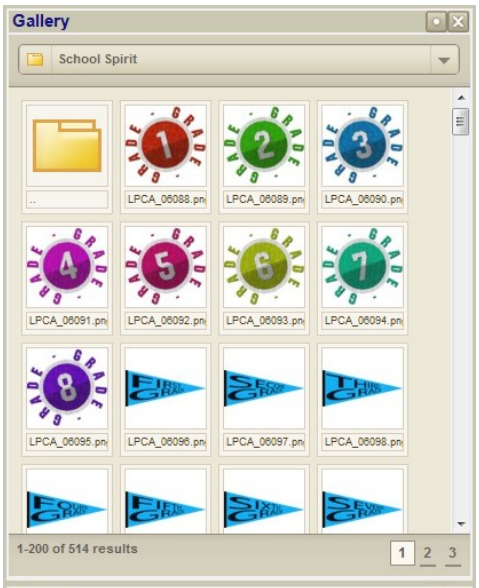
To see a preview of all the covers in PDF format, visit this webpage.



The **Headers** folder contains titles for grades and other common page types (eg. Grade 5, Sophomores, etc.).

You can mix and match styles, or pick one consistent style to add to your panel pages - just drop them at the top of the page.

To see a preview of the headers in PDF format, visit this webpage.

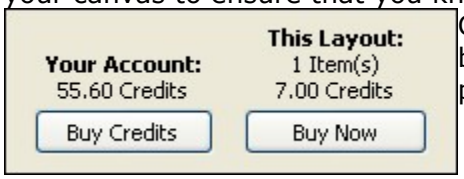


The **Papers** folder contains dozens of backgrounds in a rainbow of colors. Choose one paper style in one or more colors to unify your book's design, or separate chapters with different textures.

To see a preview of the papers in PDF format, visit this webpage.

More papers can be found under the Papers hover as well.

Premium (Purchasable) Content: If you have launched unpurchased graphic material on your canvas, you will see purchasing information on the bottom right hand of the Create screen. Most YearbookFusion users will not find premium content available, as it has been blocked by your yearbook publishing company (to avoid incurring additional charges for your yearbook.)
Unpurchased content on your canvas will activate the shopping cart. For example, a premium template may cause 7.00 Credits to appear on the Create screen, and a watermark will appear at the bottom of your canvas to ensure that you know that unpurchased material is active in your project.

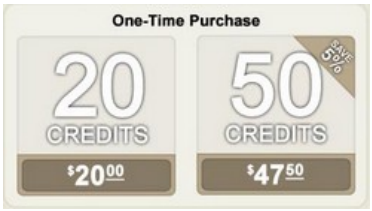


Click on the shopping cart icon to BUY purchase the material -- you will be redirected to the LumaPix store to confirm and complete the purchase.

Once purchased, your items will appear under the **Purchased** tab in Search hovers, and will be marked as You Own This in the Start Tab's templates or Bundled content area. All purchased items are now part your permanent collection, available for multiple reuse, and will automatically be available if you reinstall FotoFusion on a new computer.

Credits: New FotoFusion activations will have 20 free credits to use. 1 credit is worth approximately $1 USD. (We chose "credits" to reflect FotoFusion's international user base.) After these are depleted, you can choose to purchase additional credits by clicking on the shopping cart icon.
There is no obligation to purchase additional credits -- you can continue to use the free and purchased materials you already own, or use graphics from other sources.

Click on "BUY CREDITS" option in the shopping cart, to be redirected to a secure purchasing site. You may need to relaunch FotoFusion to make the credits appear in your cart.



A **Subscription** option will also be available to you. A subscription is a monthly recurring charge of $15 (USD) will 20 credits to your account each month. Enhanced users will further benefit from having your license upgrade to Extreme during the subscription.

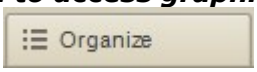
Monthly Subscription
SAVE 25%
1 Month Subscription
Includes:
20 dotScrap Credits per month
An upgrade to your license of FotoFusion while you are subscribed
(Essentials becomes Enhanced)
(Enhanced becomes Extreme!)
$15.00 / MONTH
Your credit card will be charged $15.00 per month; you may unsubscribe at any time.

After purchase, your credit card will be charged on a recurring monthly basis.
If you do not use all 20 credits in a given month, the balance will remain on your account.
If you decide to unsubscribe, write to support(a)lumapix.com to request cancellation.
You will keep all remaining credits. Enhanced users will return to their original license permissions.

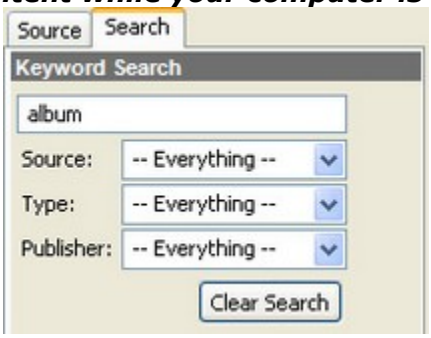
Using Graphic Content Offline: All materials located on the LumaPix server must be accessed (and purchased, if required) while online, and then downloaded for offline use. *There is no means to transfer Marketplace graphics from an online machine to an offline machine. LumaPix does not provide cds of the graphic content.*

If you are usually online, you will not need to download the graphic content. This will save disk space on your system -- FotoFusion will call up the high-resolution information when required at the time of rendering your work.

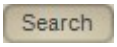
If you need to access graphic content while your computer is offline...

Click on the 

tab.
At the top-left corner, click on the SEARCH tab.
Locate the material you are looking for.

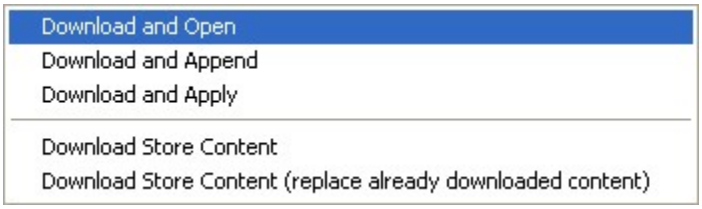


OR

Click on the 

hover and locate the material via keyword and/or type.

Once you have located the material you are searching for, right-mouse-down on the thumbnail.



From the list of options, select "Download Store Content"

The material will download to your local system. This may take a while depending on your internet connection and the size project you have selected.

The next time you use FotoFusion -- online or offline -- the material you have downloaded will be available for immediate use in high-resolution.
Note: This material cannot be transferred from an online machine to an offline machine, even if it is archived.

Troubleshooting: If you are having trouble accessing graphic content, check the following:

- In the bottom right corner of the Create screen, do you see or **?**
  The orange plug means your software is not or cannot connect to the internet.
  To fix, check to ensure that a high-speed connection is available, then relaunch.
- Still no luck getting rid of ?
  Internet security software might be blocking FotoFusion - check your firewall settings in this case. Some internet security software may block FotoFusion from accessing your connection completely. If you are at home, check into your firewall settings, or temporarily disable the security software (don't access email or the Internet if you do this!), then relaunch FotoFusion. If it is now online, you've determined what is blocking the connection in the software.
- If you are connected to the internet (is showing**)**, but still can't get the content, then do the following:
  - click on EDIT on the menu
  - choose USER PREFERENCES
  - choose the Network tab
  - turn on the checkbox at the top of the editor to "detect Internet Explorer proxy settings"
  - relaunch FotoFusion.
- If you are in a school, then show your IT professional the System Requirements info at the start of this manual. They may need to open up access on the school network.

Using Your Own Graphics Collection: Any image file on your system saved in a standard flattened file format (jpg, png, bmp, gif, wmf, tiff) can be used in FotoFusion. Enhanced & Extreme users with large collections of graphic elements may wish to keyword and categorize their graphics to make them easier to use in FotoFusion, to enable searching in the Create screen Search hovers and the Organizer.
Learn more in this manual in the Organizer section.
If you would like to make your own graphics, save background textures as jpg files, and clipart requiring transparency as a png file (with a transparent background).

YEARBOOKFUSION: PANEL PAGES

A yearbook is composed of two types of pages.

A **candid page** is a regular layout - images, text, and decorations. It may have a magazine or scrapbook style to it.

A **panel page** is a grid-style layout of labeled portraits, usually organized into classroom groups, grades or staff pages.

Panel pages are a challenge to build by hand. Portraits must be ordered by groups (classroom, grade), rank (principal, teacher, student) and alphabetically, in a particular sorting order. To manage this complicated process, YearbookFusion allow you to import a database associated to the portrait images. The database is used to identify the name of the person, what groups they belong to, and how they should be ordered relative to each other.

Yearbook panel features are exclusive to the YearbookFusion license, which can only be obtained through a yearbook publishing company (see below for more info).

Workflow Note: Yearbook panel pages must be built in the master yearbook project -- one database import PER BOOK (unless you have a book manager license).

Panel pages are created in three steps:
1) Importing a pspa cd, to associate portraits with database within your project;
2) Adding an empty panel grid to your page, and customizing it to suit your design tastes and needs
3) Populating the panel with images, according to your grouping and sorting needs.

Panels can only be made on Album-Side type pages (not covers or double-spreads).
If you need to change the page type, click on the Pages hover, then right-mouse select your page and ensure you have "album side" selected.

Panels flow from one page to the next. A large group may flow across two or more pages. In this example, notice how a color bar runs across five panel pages - these were created a single "query" - ie.

FotoFusion was asked to create a panel showing all Grade 4 students.

You can make panels in small sections (show only one class, one grade), or make one large panel with all members of your school grouped into sections by their grade or teacher (show all student pages, and sort them).

Panel pages can be changed in most respects at any point of the design process. You can:

- change the look of the panel - the size of the image frames, number of rows and columns, the border style, the text position and style.
- the grouping options: make a panel that only shows part of the school, or grouped by teacher, homeroom, grade, etc.
- add or remove students and staff from the panels
- change information about the students and teachers (name changes, moved to a different class, etc.)

We recommend strongly to make all your panels in a single project, with one import of the PSPA cd, unless you have a Book Manager license.
This will ensure that there is only one master set of information for the whole school. Projects with separate databases cannot be merged without a Book Manager license.

Where can I get a YearbookFusion license?

YearbookFusion is sold in blocks of ten+ licenses to yearbook publishing companies, who then distribute the licenses to their clients.

LumaPix does not sell individual Yearbook licenses to schools, photo studios or other groups. The software requires users to have a properly-formatted PSPA database, provided by a yearbook company or pro-portrait studio. YearbookFusion is customized to the publishing company's specifications to help their clients make perfectly formatted books tailored for a specific publishing pipeline.

LumaPix is strictly a software development company and does not providing printing, photography or pspa-formatting services.

If you are a studio or publisher who works with multiple schools, please visit:
http://site.lumapix.com/business-solutions/yearbookfusion-yearbook-software
to learn more about YearbookFusion. Representatives from schools or other organizations who require software and a printing company can write to yearbooksales(a)lumapix.com - we can suggest one or more printing company who serve your area. Please be sure to let us know where you are located.

THE PORTRAIT DATABASE

Panel pages require a database to link the portrait images to information about the people portrayed in the images. This information can be used to group and sort the images.

The portrait database is often referred to as the **index file** or the **PSPA database**. PSPA is the acronym

for Professional School Photographers' Association, who set the standard for the way a yearbook data file is created.

The database file is usually generated by the photography studio, using special software designed for this very purpose (using a bar code system when the photo is taken). Your yearbook publisher usually has provided your school with a PSPA cd, containing portrait images and a data file describing those images. Your yearbook company may pre-import the data and images into a project, and provide you with an archive file (a .scrappackage) or upload it to your remote storage folder directly (if available).

The database file allows you organize the portrait images in your yearbook into panels, and display labels and other information. Standard PSPA information associated with each portrait includes the following data fields:

A. Volume Name B. Image Folder C. Image File Name (including file extension)
D. Grade E. Last Name F. First Name
G. Home room H. Period I. Teacher Name
J. Track

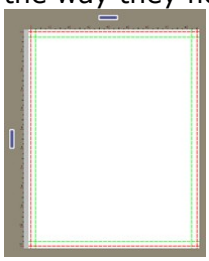
Once the database and images have been imported into a project, you can correct or add data linked to the images, and create organized panel pages with the images within FotoFusion.

Note: Unless you have a book manager license, databases are attached to a specific project - so import only once, and make this project your master yearbook. You can make multiple panels from one database within the single project. Two projects with two separate databases can cause "versioning" problems, ie. which version of the database is correct. You can insert candid pages/projects into the master yearbook and add pages between panel pages.

Step 1: Importing the Portrait Database

If you have been provided with a PSPA cd, insert the CD into your computer, then launch FotoFusion.

Open your yearbook project and add an album-side page from the Pages hover, or create a new project with an album-side page. Panels can only be made on album-side pages, not double-spreads, because of the way they flow from page to page.



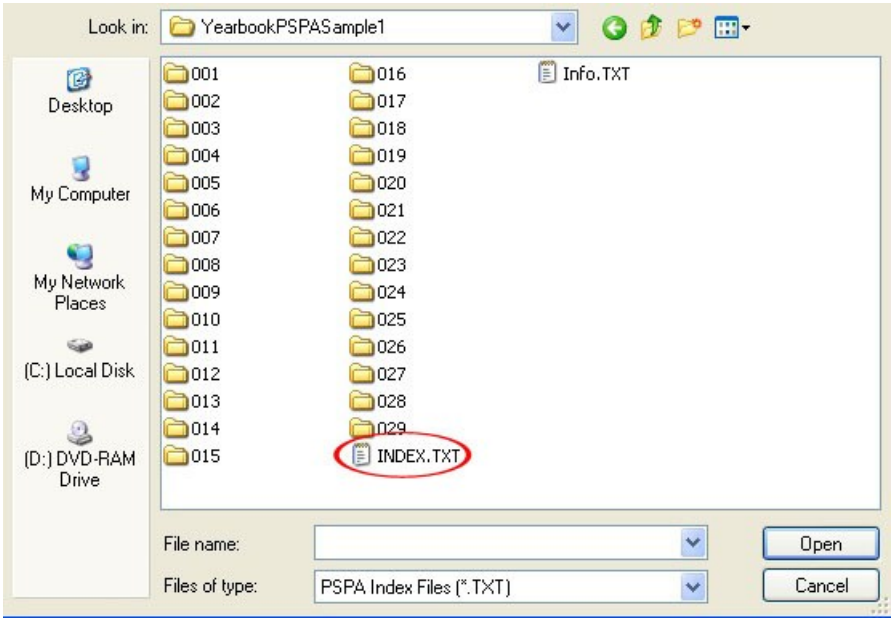
To import the contents of the CD to FotoFusion - click on the] icon in the Yearbook section of Toolbar over your canvas.

You can also click on the File menu to choose IMPORT PSPA CD.

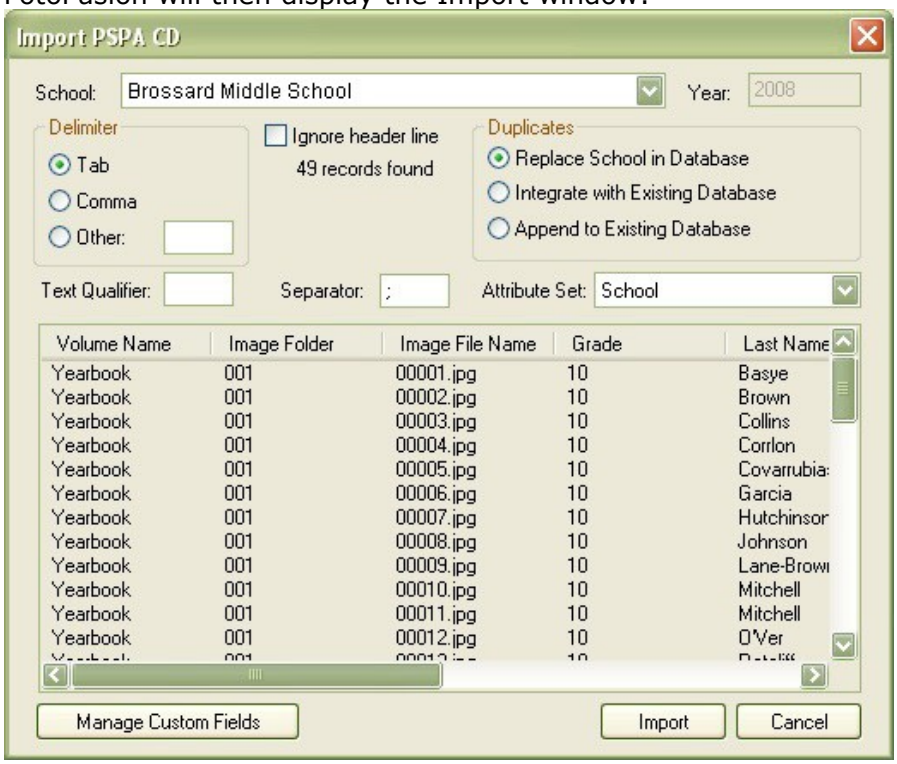
A standard "browse" window will open. Navigate to your CD drive - you will see something resembling this window, perhaps with fewer folders or different file names.

Find the file named INDEX.TXT and open it - located just outside the folder(s) holding your portrait

images. This is the data file that links information about the members of your school to their portraits.



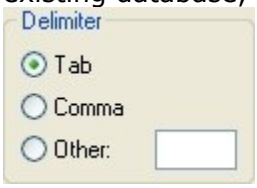
FotoFusion will then display the Import window:



Your school/organization name will appear automatically if your software is activated. (Yearbook Publishers must choose from a list of all their activated schools - be careful to select the correct school.)

Most of the time, no further action will be required to import your data. If you see properly formatted columns and rows of data, click **IMPORT**.

If your data does not appear as expected in the table of data, or if you are merging or replacing an existing database, you can change the following options:



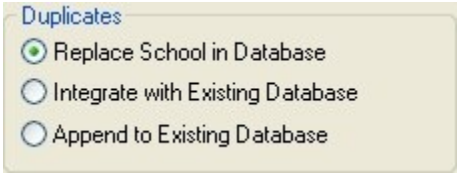
Delimiter refers to the way the index.txt file is set up.
Some index.txt files will use tabs to separate the data fields, others will use commas or a special character. If your data appears correct in the table, as in the example above, do not change the currently selected delimiter.

If there is no information showing or it is not organized into columns, change the delimiter from "tab" to "comma".

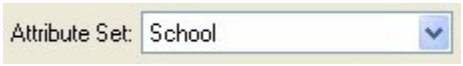
That failing, open the index.txt file in a Notepad-type document, and see if there are any special characters between the data fields.
If so, then type that character into the "Other" empty field and select it.

If your data is represented with single or double quotes around the text, type this character into the **Text Qualifier** box. The quotes will be stripped from the data table.

Check this ONLY if you see any headers (titles) above the columns in the table of data.



The **Duplicates** section provides rules for subsequent PSPA CD imports.
If this is your first import, or you are changing data sets, leave it as "replace school in database."
If you are merging a second batch of portraits (eg. retakes or a 2nd set of images), then select "Integrate with existing database", or "append" if the file numbers have been restarted (00001) .



Most users will only see "School" and "Church" as the default **attribute** set choices. An attribute refers to a category that can contain information associated with the image files. For instance, a school will have attributes such as grade, teacher, home room, first name and last name, while a Church set will include contact info, family names, and personal information.

Other attribute set can be created for specialized use, such sports team directories. For instance, a sports team will have team numbers, position played and stats.

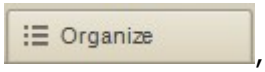
allows you to **add attributes or create a new attribute set**. Attributes are data fields or categories that can be linked to your image files. For example, you may wish to add "Clubs" as a data field linked to your images, or create an entirely new attribute set, e.g. "Church". To learn more, consult the next section.

If the data import appears to be correct, then click on IMPORT.

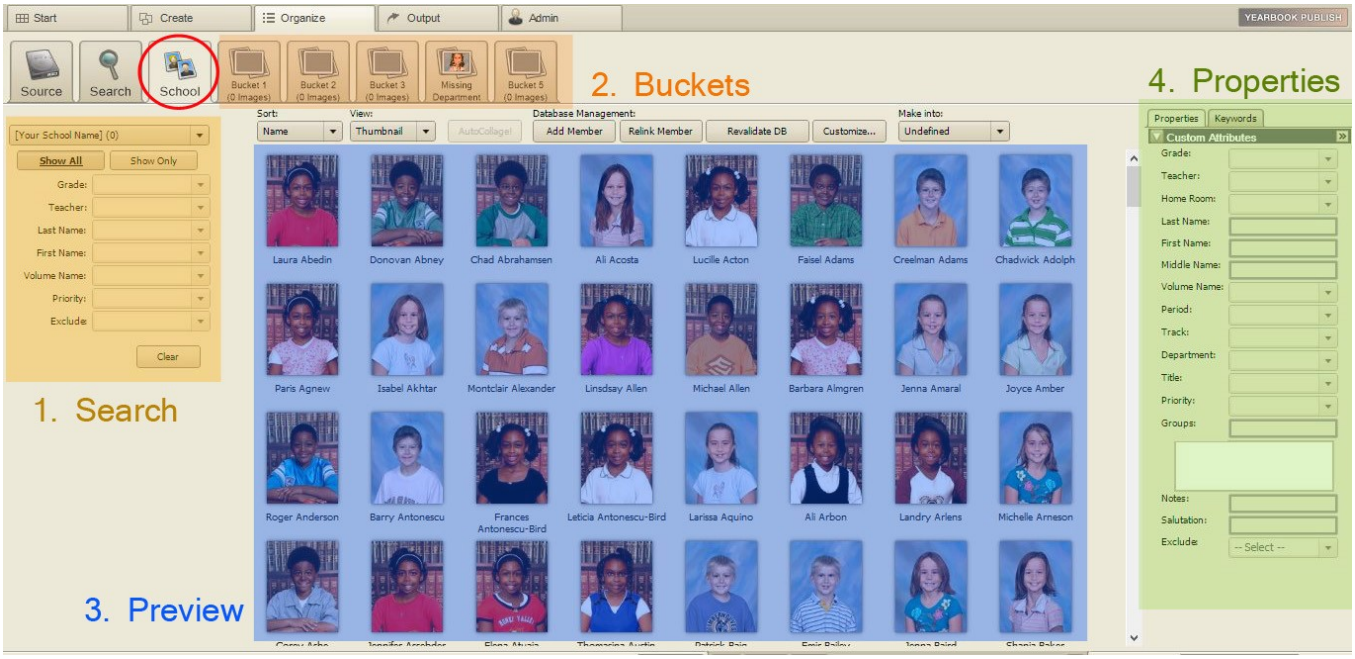
FotoFusion may offer a suggestion about your data import at this stage or display an error (eg. missing image). Data-related errors can be fixed later; missing image errors need to be fixed before the import can be completed. Verify the index (open it in a spreadsheet software, like Excel) and make sure the file names match the portrait image file names.

Once the import starts, you will be prompted to provide a folder location where the images will be imported. It is preferable to do so on your local C: drive to avoid problems with interruptions of network connectivity, or a USB drive which can be unplugged.

The

Tab: After importing your PSPA CD images and data, the results will be displayed under 

, under the School tab. The School tab allows you to view and edit the information in your database import. If there is no database attached to the current project, it will be empty.

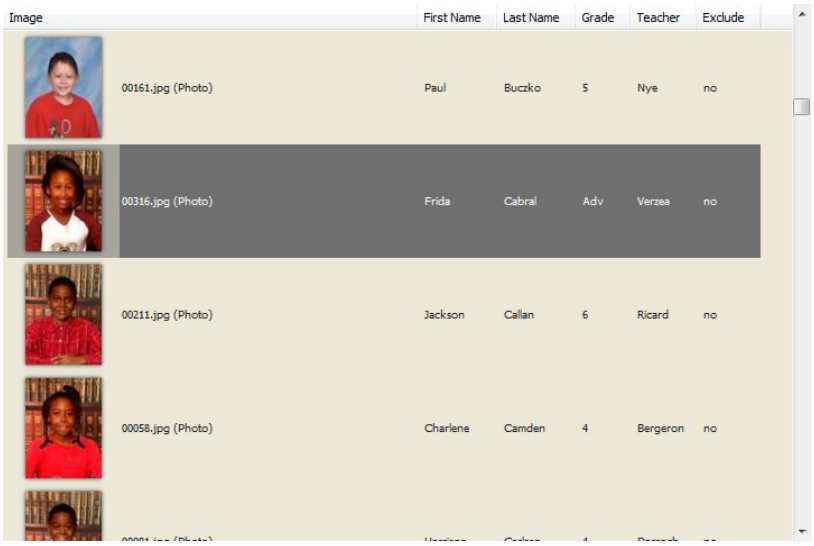


1. SEARCH: Use this area to target one portrait or a group of people in the database. Choosing SHOW ALL will make every image in the database appear. SHOW ONLY allows to you target a selected individual or group.For instance, if you need to find all the Grade 3 students, change the GRADE dropdown to "3". If you need to find a particular teacher, click on LAST NAME and type their family name.

2. BUCKETS: Buckets are used to auto-triage database images if there may be cause for concern -- that could result in a student not appearing in the yearbook. Missing a first or last name, or having no grade or teacher will cause the images to appear in pre-labeled buckets.

3. PREVIEW: Preview displays the current selection of database images. You can display the images in several ways:
· Sort by FILE NAME, FILE DATE or PHOTO DATE. (Name is selected by default)

· View THUMBNAILS (images & file name), TILES (images, file name & size) or DETAILS (images & all related data) (shown below).



Add Student, Revalidate School, Relink Image and Make Into... will be described in detail later in this section.

4. PROPERTIES: If an image is selected in the preview area, the information associated with it will be displayed in Properties.
Multiple images can be selected - only data common to the selection will appear under Properties. Data can be changed under Properties, either by typing directly into the field (eg. correcting a typo in a last name) or by using the drop down boxes (eg. assigning a student to a preexisting 4. PROPERTIES
If an image is selected in the preview area, the data that is associated with it will be displayed in Properties. Multiple images can be selected - only data common to the selection will appear under Properties. Data can be changed under Properties, either by typing directly into the field (eg. correcting a typo in a last name) or by using the drop down boxes (eg. assigning a student to a preexisting grade or teacher).grade or teacher).

Step 2: Editing the Portrait Database

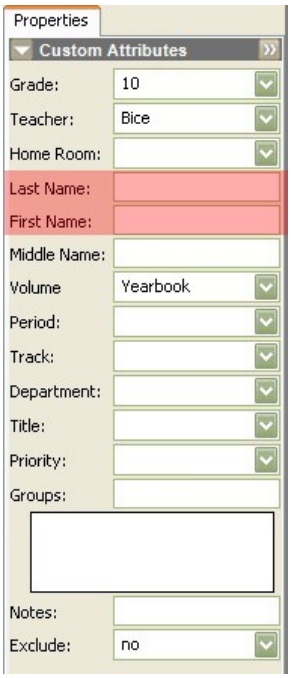
After importing your PSPA CD, FotoFusion may show an error message, indicating that there is incomplete data related to certain images and to prompt you to fix it. Typically, missing information includes first and last names, grades, teachers, and departments. If the information is not fixed, there may be errors in your panels, such as excluding individuals from the panels.
Here is an example of a message received after importing.

Collage
385 records imported!
7 students were missing first or last names.
The images have been placed in bucket 1.
1 students were missing grade information.
The images have been placed in bucket 3.
Missing information must be filled in for all images before panels can be populated. Select the images in each bucket in the Organizer, then fill any empty grade, teacher, last or first name fields.
OK

A few problems have been found, so the affected images have been placed in named buckets.
To add or correct data, click on a bucket to view the images it contains.

Select an image to see the data associated with it This information will be displayed in the Properties area to the right side of the Organizer. (You can select multiple images at once, by holding the control key on your keyboard and selecting the images, or by drawing a marquee over a selection of images, or by clicking on Ctrl-A to select all images in a set. This will allow you to correct common missing information, such as the grade or teacher.)

If one images is selected, all information associated with it will appear in the Custom Attributes area. Multiple-selected images will not display an image preview, but will show common attributes assigned to the group.



In the example shown to the right, the student does not have any information under the "Last Name" and "First Name" fields. If this information is not added, the student will not have a label on their panel page.

To add the missing information, simply type in the appropriate empty box.
You do not need to hit Enter or Apply; the information is added immediately, and will save into the database.
The information will still be present the next time you launch your project.

On occasion, you may not need to add the missing information.
For instance, the school custodian would not have a Grade, and the Principal will not have a teacher.

Any changes made in the database ONLY apply to the project.
The information does not over-write the PSPA CD, and is not transferred to other computers using the same image set.

Step 3: Identifying Roles for Staff & Students

To simplify the process of creating panels, you use the **Make into...** button to quickly identify the roles and ranks of the individuals at the school: their department, their title, their group and their priority.

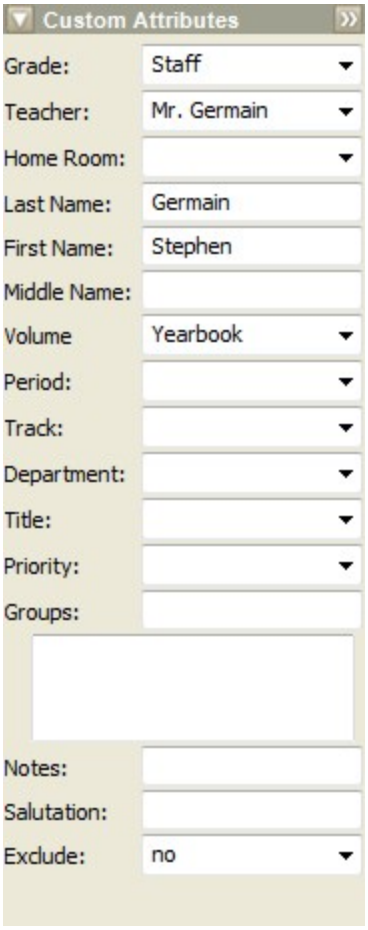
Usually, yearbooks contain a staff page, with the Principal at the top of the page, followed by teachers and support staff. The class panels will be organized by grade, and/or homeroom/teacher. If the classroom teacher is included with his/her students, they will be at the front of the panel, out of alphabetical order.

The standard PSPA information tells you only the name of the people in the school, and what class they belong to - there is no way to know that the office staff and custodians are not teachers, and that

teachers should be in front of their class panels, followed by assistants, then the students.

The **Make into...** feature fills in this missing info by tagging individuals in your school. Panels can then be generated quickly, with everyone in the appropriate order, divided into their respective roles.

To add this info, go to the School tab in the Organize section.
For starters, select all the teachers in your database - you can select them all at once, or in small batches, or one at a time.

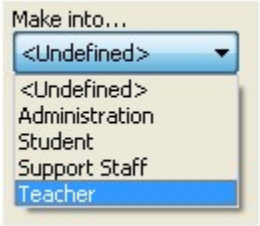


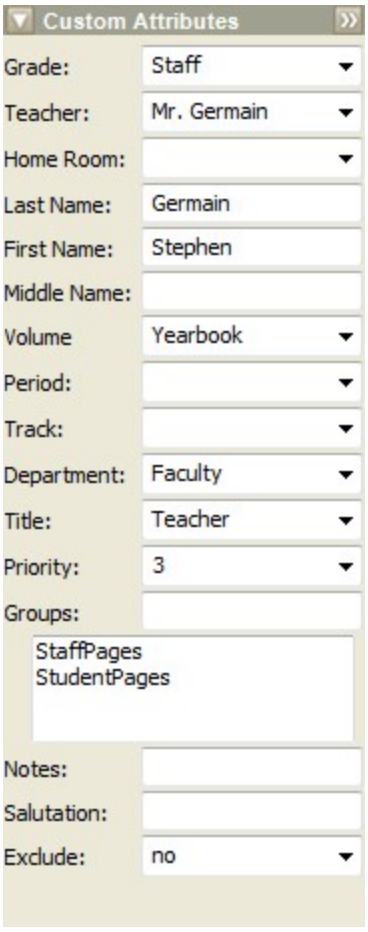
In this example, a single image has been selected.

Before we've tagged it, we have some info associate to the portrait -- we know that this photo refers to someone named Stephen Germain, who seems to be a staff member, in "Mr. Germain's" class. Is he a teacher? An assistant teacher? A special ed instructor? What panels should he be in? Just his class, a staff page? We can't tell right now.

(The Exclude box tells us that he will be included in the panel. If it were set to yes, then that person wouldn't be included in the panels.)

Click on the **Make into...** box over the preview area, and choose TEACHER to assign a role to this person.





Now we have more complete information.

Stephen Germain is still a staff member, belonging to Mr. Germain's class under the **Teacher** field.

But we also know he is in the **Department** of Faculty, with a **Title** of Teacher, and has a **Priority** ranking of 3.
The Priority ranking will place this person's image in front of any one with a lower priority.

The **Priority** ranking will put him in front of his students in the student pages and in front of support staff, but behind administration on a staff page.

He can appear on both StaffPages and StudentPages as he is assigned to both **Groups**.

Every member of your school - teachers, students, administration and support staff - should all be classified with the **Make into...** feature. You can tweak information manually, such as changing titles for individuals, or their relative ranking.

For example, you can manually assign the Principal a Priority of 1, to make them appear at the top of any panel in which they appear, and give them a title of "Principal."

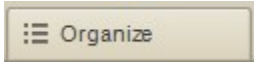
Tip: It is a very good idea to assign teachers to the same grade and teacher/homeroom as their students. This will ensure that they appear in the panel with their students.

Note: you can create your own custom Make into... to quickly add attributes to multiple portraits in your database - learn more in the next section.

Adding New People to the Database

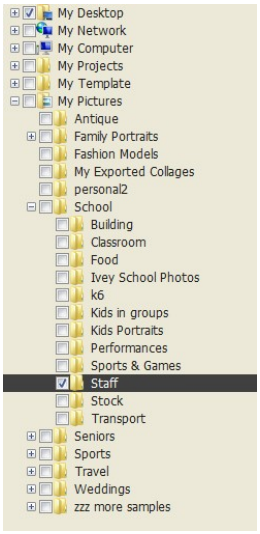
... from a 2nd PSPA import: If you have received a second PSPA CD with retakes or portraits of students missing from the original import, you can import the second CD in the same manner as the first CD, but choose to append the records to the current database.
To import a second index, click on FILE on the menu and choose **IMPORT PSPA** from the top of the list. Do *__not__* replace the current database - choose to integrate it (if the image file numbers are different) or append it (if the image file numbers are reset to zero).

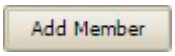
... from candid images: If you have taken photos of people who missed photo day, and want to include them in the yearbook panels, you can add these photos into the database.

Open the 

tab, and click on the

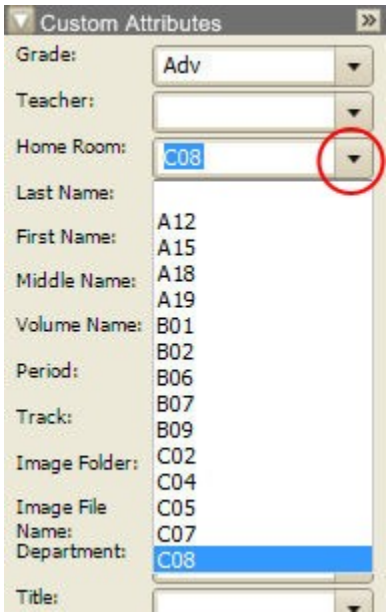
tab. From the folder tree, locate the image (s) on your local hard drive to include in the database.



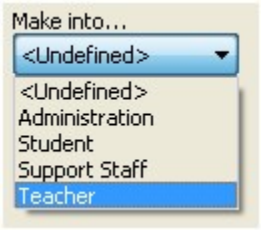
Select the image(s) in the Preview area, then click on the  button at the top of the Organize preview.
The image(s) will be added to the database, with the first and last name set to "Undefined".

Find the images (under Search, type "Undefined" into the first or last name field).
Select one or more image - multiselect image, using ctrl-click, if they share common attributes (eg. all have the same grade).

Add data to the images in the Properties area: their first and last name, grade, teacher, grade, etc.
Use the dropdown arrows to select preexisting categories if possible, to avoid typos or creating new groups.



Use "Make Into..." to auto-assign roles, departments and priorities.



The new images will be autoflowed into existing panels, providing their data matches that of their classmates.

NOTE: Do not add the data before clicking "Add Student" -- the images need to be added to the database set first. This will enable drop-downs (eg. teacher's name, grade) from existing database entry.

Data will now be associated with the images. Click on

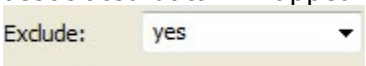
button at the top of the Organizer to ensure that the images have been properly associated with the database, and will be included in the panel pages. Any photo with incomplete data will be retriaged into the buckets.

Adding students can occur at any time during the panel creation process -- either before or after the panels have been set up and populated.

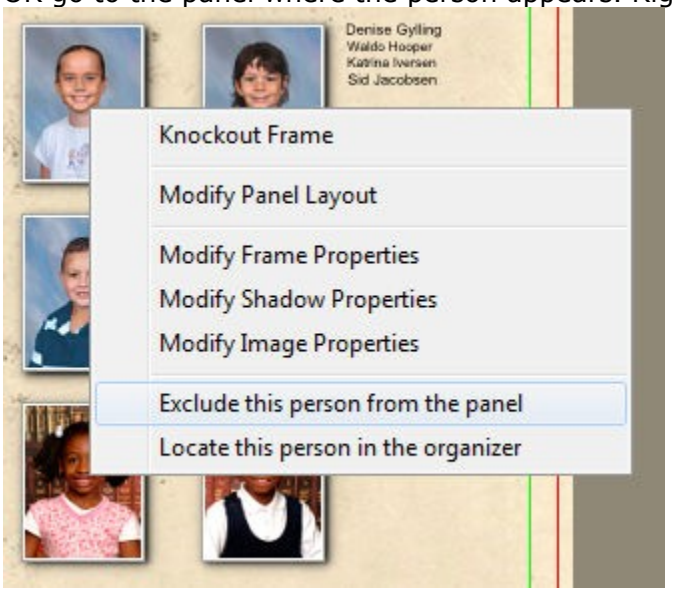
Removing (Excluding) Portraits from Panels:

Occasionally, you may need to exclude an image from the imported PSPA set - eg. duplicate images, retakes, or people who have left the school. Use the Search area in the school to locate the image(s) that you do not wish to include in the yearbook panels -- use their last name, or grade, or teacher to search for the image.

When you find the image(s) in the preview area, select the image thumbnail(s). The image and associated data will appear in the Custom attributes area. Turn the "Exclude" option to Yes.

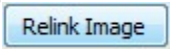


OR go to the panel where the person appears. Right-mouse select the portrait and choose EXCLUDE.



The image will vanish from the panel, but still be part of the database (should you need to add the portrait back).

Replacing a Portrait Image: Occasionally a portrait in the database may need to be replaced or relinked. For instance, the student may have had a retake photo done, and you would like to replace the original photo. Select the existing portrait in the School tab.

Click on 

button over the preview area. Browse for the replacement image on your hard drive, select it, and choose OK. The original portrait will vanish, replaced by the new image.

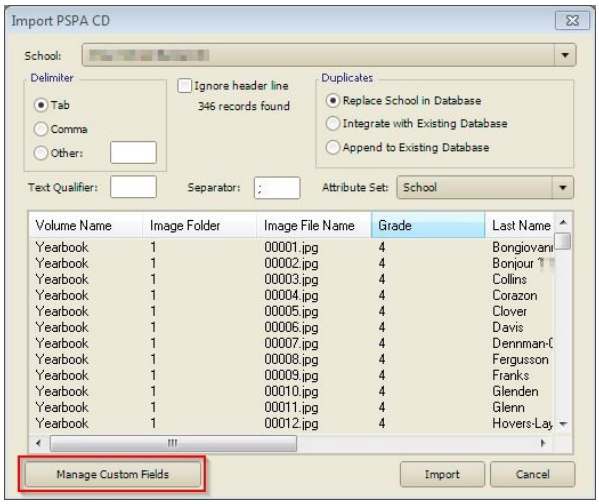
MANAGING DATABASE FIELDS

The vast majority of school users will not need to add any custom fields to the portrait database. The default selection will allow you to add info such as titles (eg. Assistant to the Principal, Nutritionist), special programs (under Tracks, eg. HomeSchool, SpecialEd), affiliation to clubs (under Groups), etc.

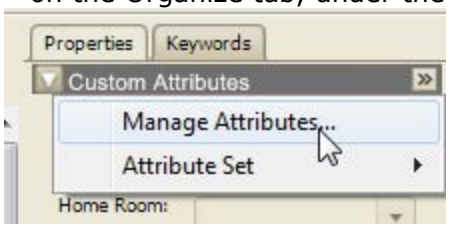
If you need to add a special sets of data, you can do so through the Manage Attributes feature.

Manage attributes is available in two locations:

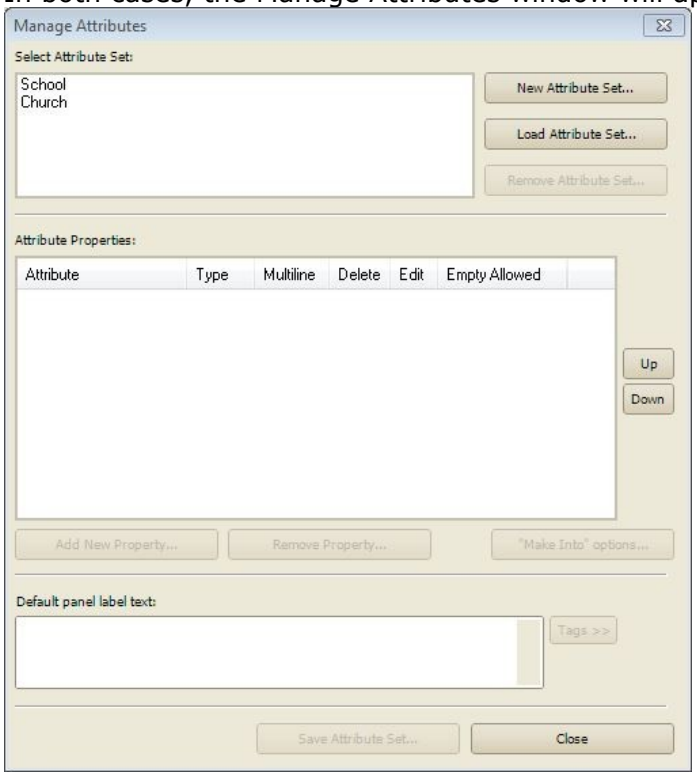
- at time of import



- on the Organize tab, under the School tab



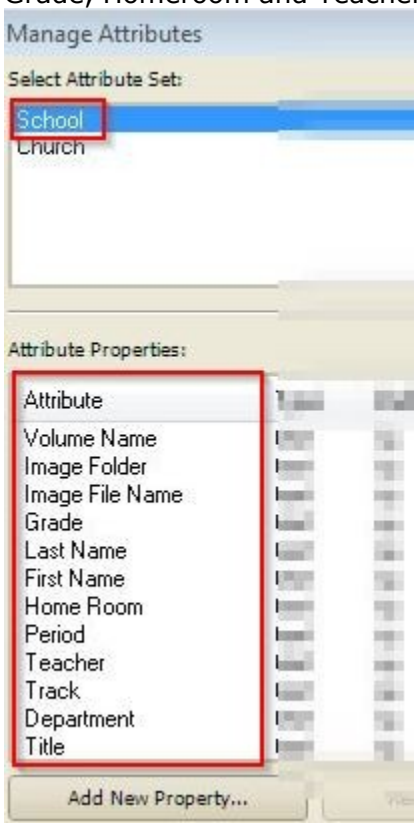
In both cases, the Manage Attributes window will appear.



At the top of the window, you can select an existing attribute set or create a new set (click on New

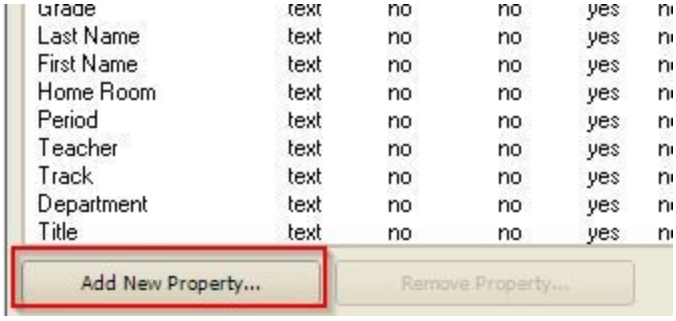
Attribute Set...).
An attribute set is a collection of properties (fields) that can receive data.

For instance, the School attribute set will contain properties for First and Last Name, Grade, Homeroom and Teacher.

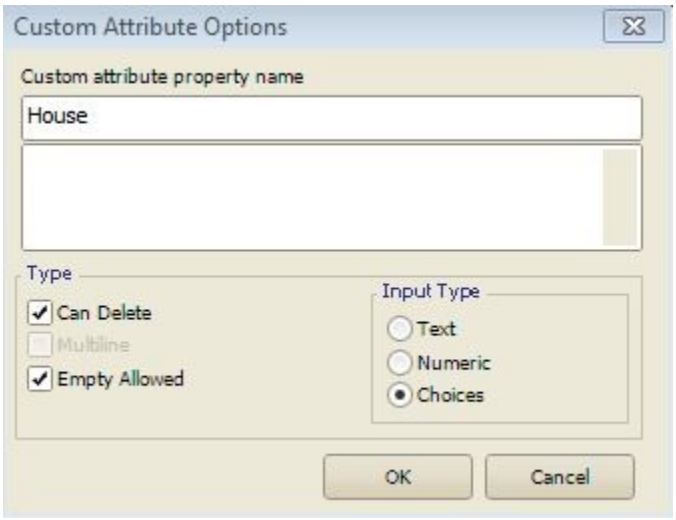


The Church attribute set includes Family name, Adult and Children Name, contact info, and Occupation, which are commonly featured in a church directory.

To edit an existing attribute set or add a field to a new attribute set, click on Add New Property...

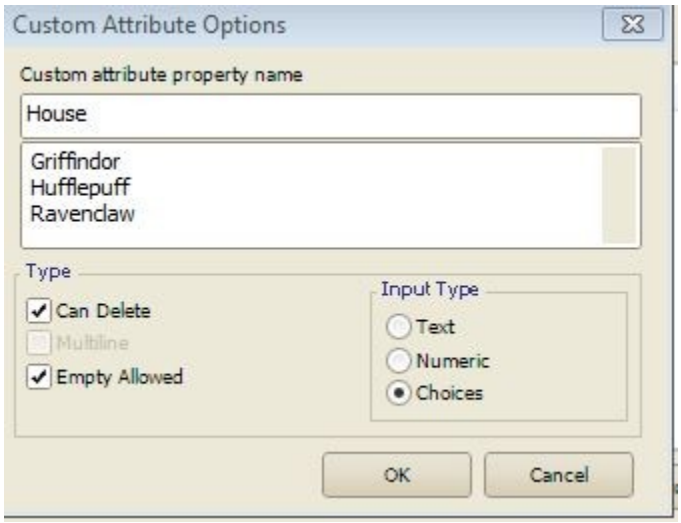

Grade text no no yes
Last Name text no no yes
First Name text no no yes
Home Room text no no yes
Period text no no yes
Teacher text no no yes
Track text no no yes
Department text no no yes
Title text no no yes
Add New Property...
Remove Property...

to add your new property to the list of available options. In this case, we are adding a field called "House."

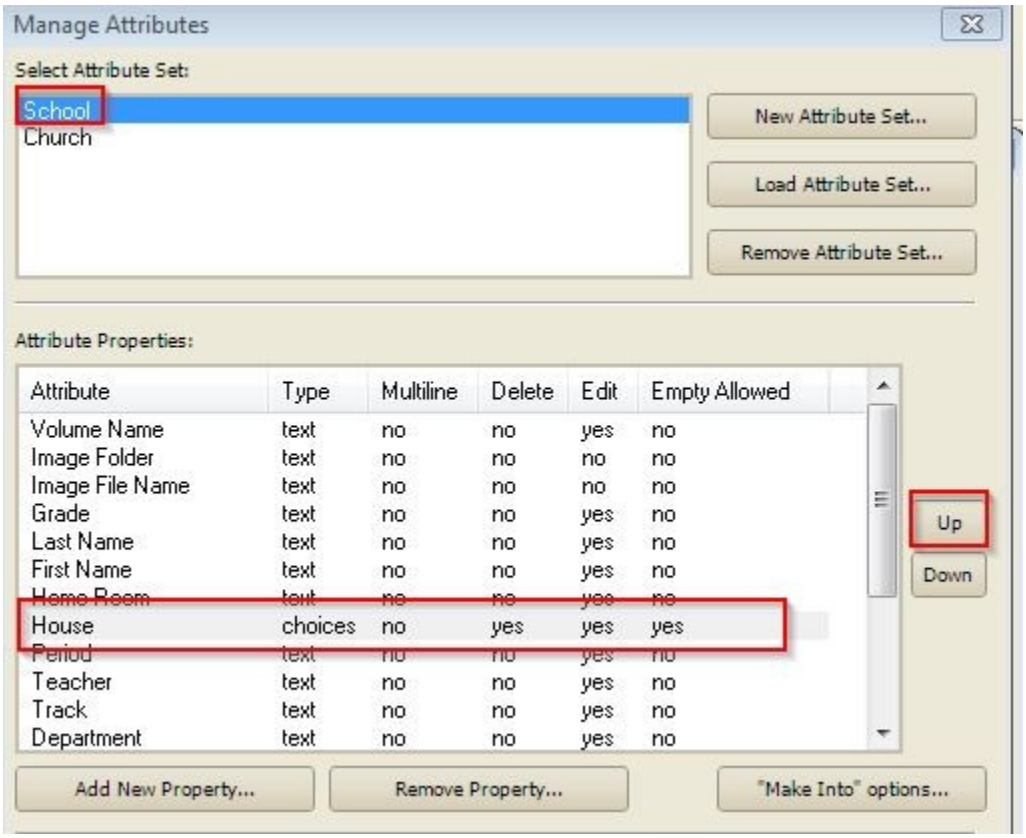


Type the name of the new property. In this case, we are adding "House" as a propriety of the School attribute set.
Under Type, define the features of the new property - "can delete" to remove it, "multiline" to allow for more than one entry in the field, and "empty allowed" to allow for blank/no data.

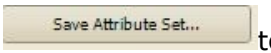
Under Input type, choose the sort of data you expect to see: text, numbers or a list of choices. When you click on Choices, a new box becomes available to add a list of choices. In this case, we will add choices, because there are a limited number of options available.



When you have finished adding the information, click OK to save the new attribute. It will appear on the list of Attribute Properties.
Use the arrows on the side to reorder where the attribute will appear on the list.

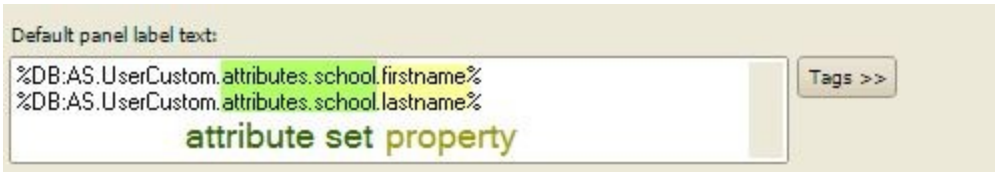

Manage Attributes
Select Attribute Set:
School
Church
New Attribute Set...
Load Attribute Set...
Remove Attribute Set...
Attribute Properties:
Attribute Type Multiline Delete Edit Empty Allowed
Volume Name text no no yes no
Image Folder text no no no no
Image File Name text no no no no
Grade text no no yes no
Last Name text no no yes no
First Name text no no yes no
House choices no yes yes yes
Teacher text no no yes no
Track text no no yes no
Department text no no yes no
Up
Down
Add New Property...
Remove Property...
"Make Into" options...

Click on

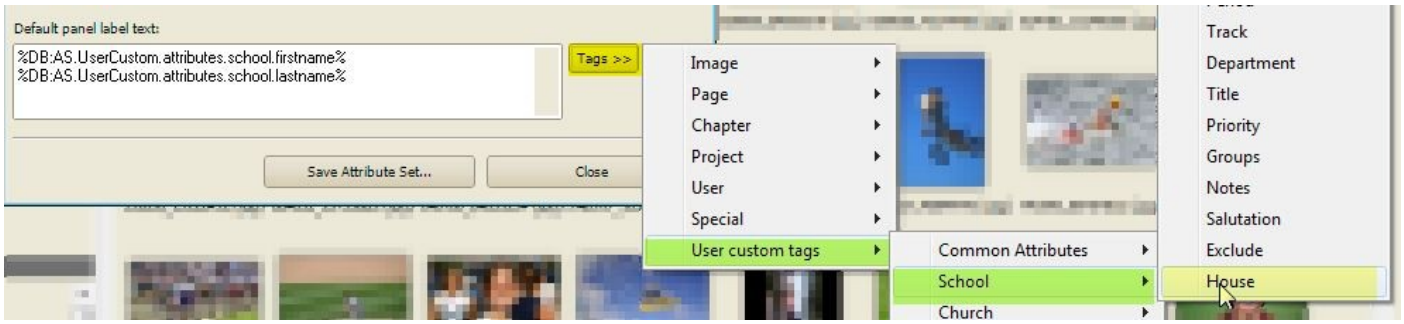
to save the current layout, or 

to save your selection as a Custom set.

Default Panel label text: Within the Manage attributes window, you can change or add the default label text to appear on your panels. The existing School Attribute set, a default of First Name and Last Name is set to automatically appear on panel pages as the label. You may wish to change or add a tag to automatically appear. New attribute sets will have no default label text, so you can specify what tags to use.

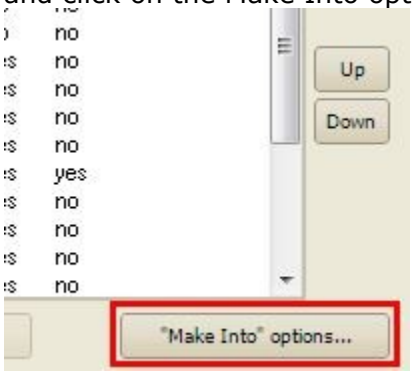


To delete an existing tag, click into the white box at the end of the tag you want to remove, and hit backspace.
To add a new tag, click on Tags>> then choose User Custom Tags >> then your attribute set. You will see a list of available properties to include.

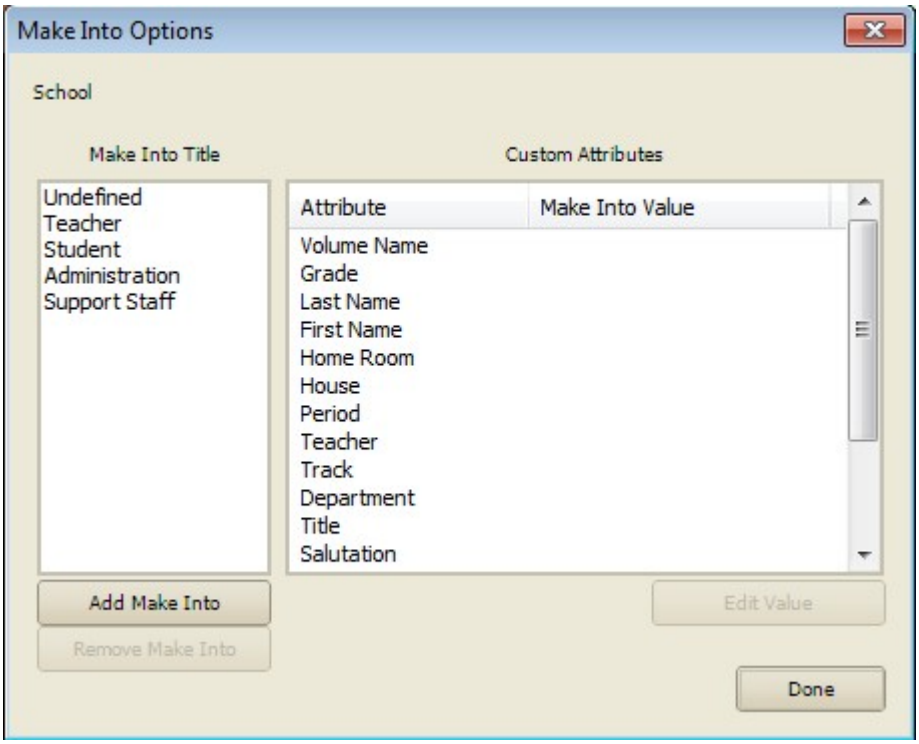


Custom Make Into... option: Within the Manage attributes window, you can create your own custom Make into... feature. Make into... adds multiple preset values to your portrait image database. The default Make into... features assigns departments, priorities, titles, and other features to school portrait databases, so you can quickly turn groups of selected portraits into Students, Faculty, Admin and Support Staff.

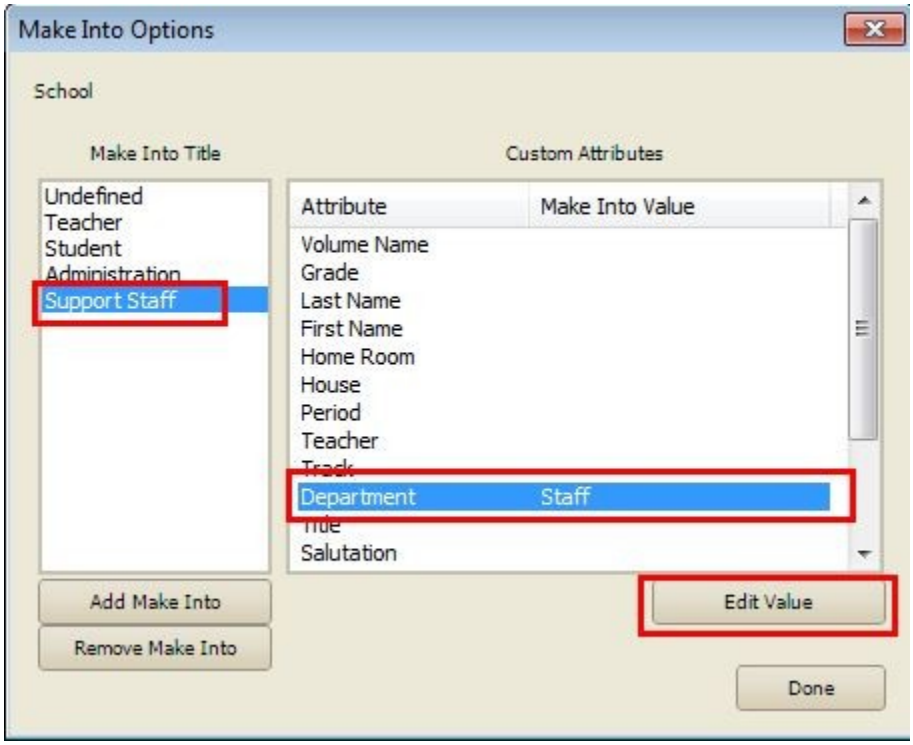
If you would like to add or change Make Into.. options, select an attribute set (in this example, School), and click on the Make Into options



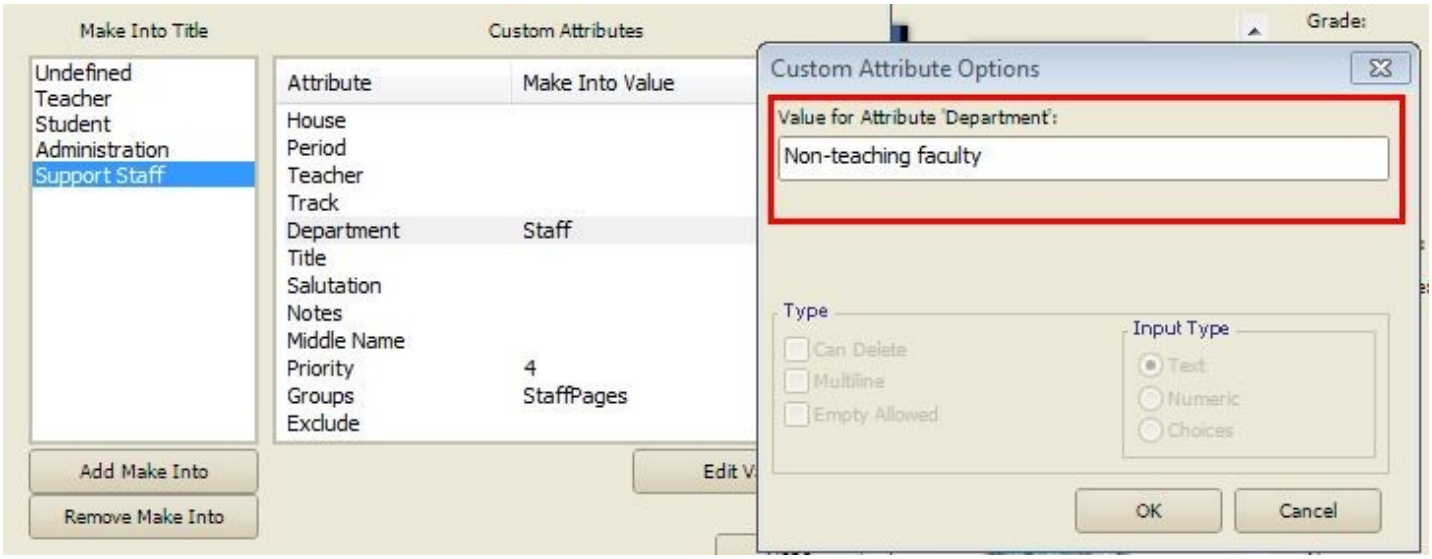
which will open the Make Into Options window.



To edit a current title, select it from the list on the right. The populated attribute properties will be displayed on the right.
To edit a value or add new information to it, select it on the left, and click Edit Value.



Add your custom info then choose ok.



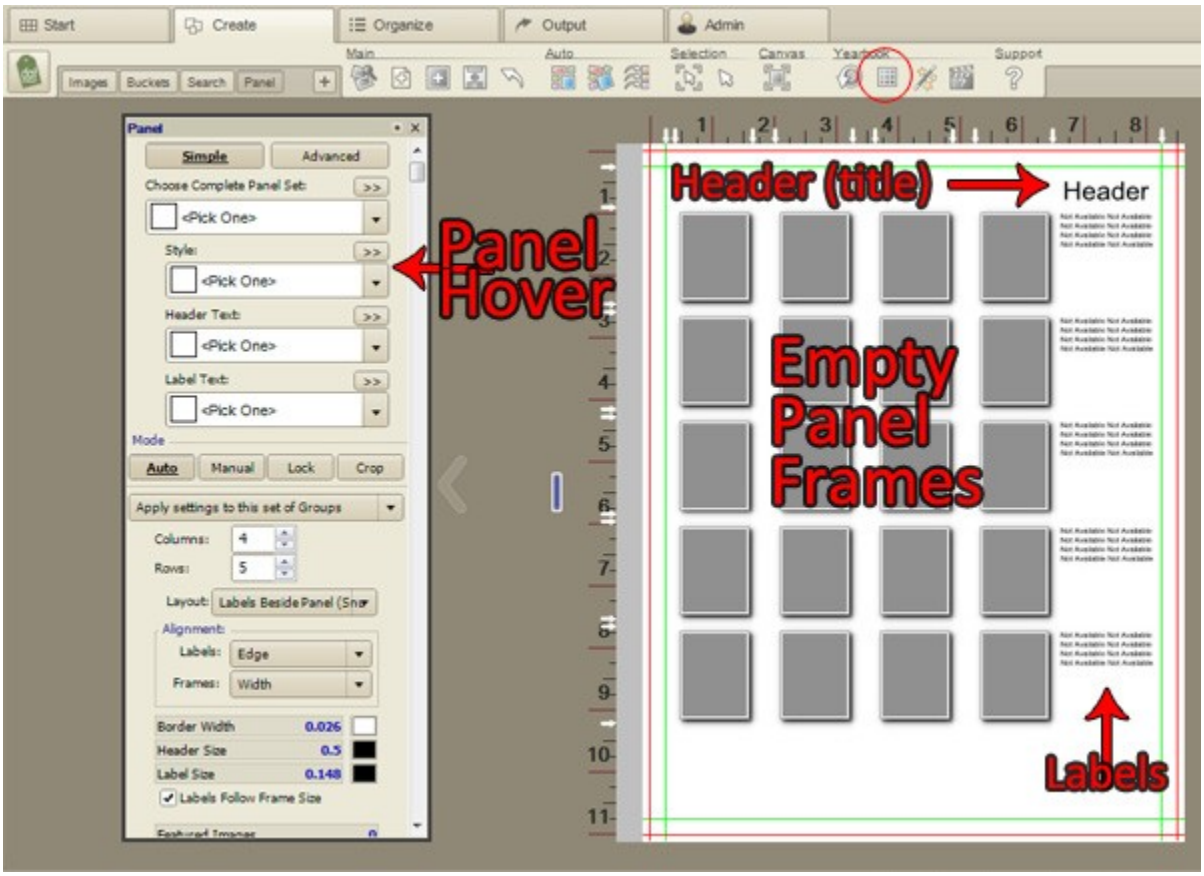
The value will be updated. In this case, any portrait which is "Made into..." Support staff will have "Non-teaching faculty" assigned as their Department.

MAKING A PANEL

Before you can make a panel populated with your portrait images, you need to import your portrait database. Panels are populated using the information and images in the database.

Add a Blank Panel: Add an album-side type page to your project via the Pages hover - you can have a color or a paper on the background of this page if you wish.

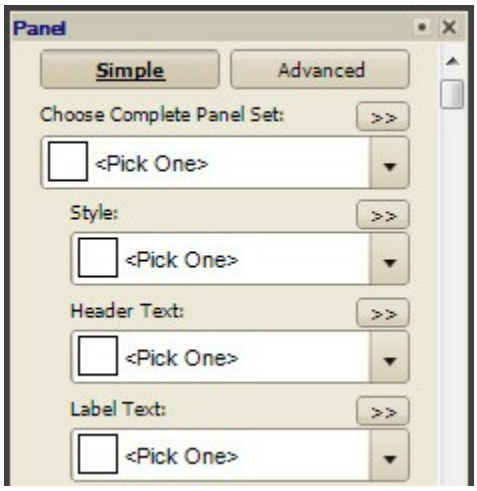
Click on the icon in the Yearbook section of Toolbar over your canvas to add an empty panel grid.
If your project does not have an imported database, you will be prompted to import one. A blank grid will appear on your page and the Panel Hover will appear in "Simple" mode.



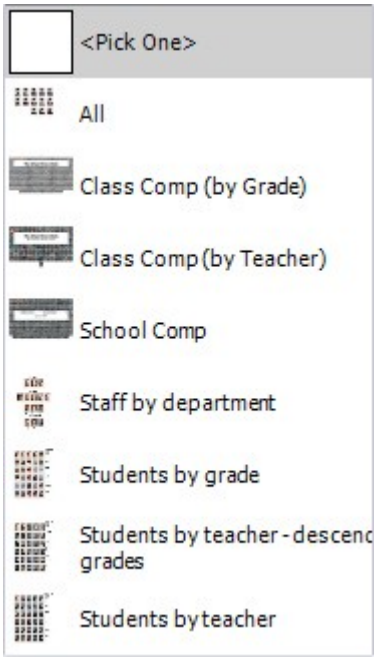
A panel consists of image frames arranged in a regular grid, labels, and a header (title) text. The Panel hover controls what information appears in the panel, and the general look of the panel.

Panels in Simple Mode: Simple panel population allows you to pick from a set of predefined options. In order to enable this, you will need to have done a few easy steps to your imported database on the Organize tab, using the Make Into... feature.
Make Into... is described in detail in the previous "Your PSPA section" - but briefly, it allows you to assign roles and hierarchies to the people at your school, which makes panel population easier and smarter.

Once everyone in your school has been assigned a role, you can use the presets in the first drop box to pick the type of panel you want to make.



The presets for Complete Panel Set include:



All: everyone in the school will be listed first by rank (admin staff, then teachers, then support staff, then students), in alphabetical order

Class Comp(osite) options for poster-style class layouts

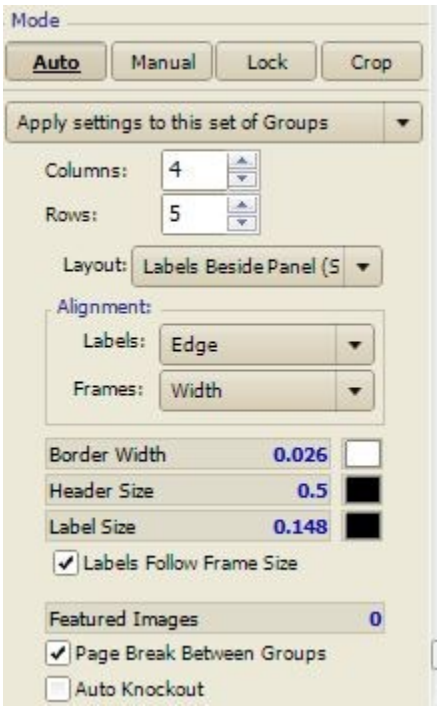
Staff by department: All persons tagged to be on StaffPages will appear, grouped into their departments (Administration, Teachers, Support Staff) into separate sections.

Students by grade: All students and teachers will be grouped by their grade, in alphabetical order.

Student by teacher -decending grades: All students and their teacher will be grouped by their teacher, in alphabetical order, from highest to lowest grade (eg. 5, 4, 3, 2...)

Student by teacher: All students and their teacher will be grouped by their teacher, in alphabetical order in lowest to highest grade order (eg. 2, 3, 4, 5...)

After choosing the information to be populated into the panel, choose a quick pick for the Header (Title) and the Labels.
You can then make further adjustments to the way the panel looks.

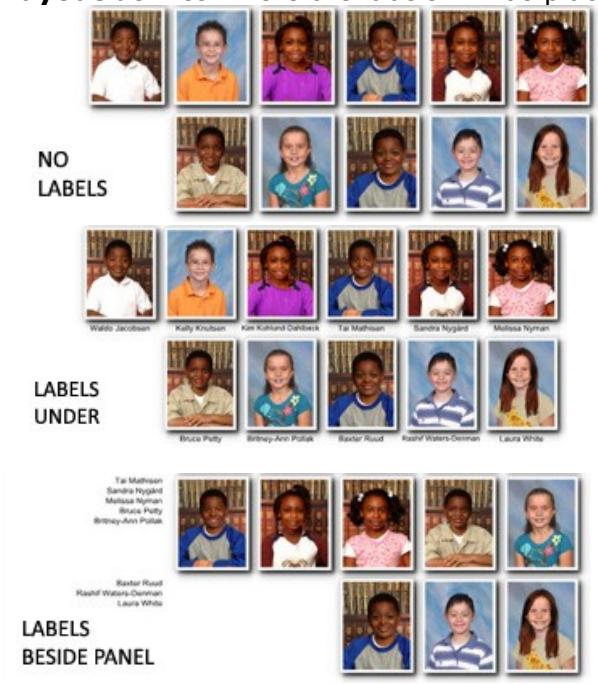


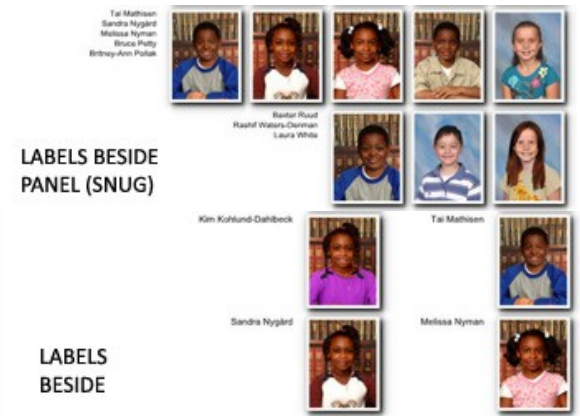
Mode: Auto mode is the default. Frames are flowed automatically across the page.
Manual breaking the panel into separate frames. You will need password from your publisher to access this, because once in manual mode, no changes to the database will update in your panels.
Locked protects the panel from further reflows or changes
Crop mode allows you to select an image within the panels to zoom in or reposition it.

Apply settings... You can limit the scope for changes: a) to all panels in the project. If you change an attribute (eg. the frame border width and color), all frames in all panels will have these attributes applied to them. b) to this set of groups, If you change an attribute (eg. the frame border width and color), only the frames in the current panel will have these new attributes. If you have made separate panels for staff and students, for instance, you can make changes only the student sets). c) to only one group. If the panel has been grouped (eg. by grade, by teacher), you can pick ONE group to apply new attributes to. For instance, you can change the frame border color for only the members of the graduating class.

Columns and rows: Change the number of frames per page. If you increase the number of columns and rows, you will get a greater quantity of smaller-sized frames on your page.

Layout defines where the labels will be placed relative to their image.

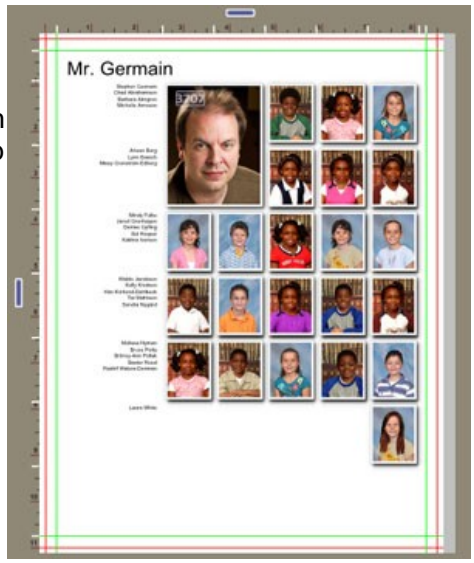




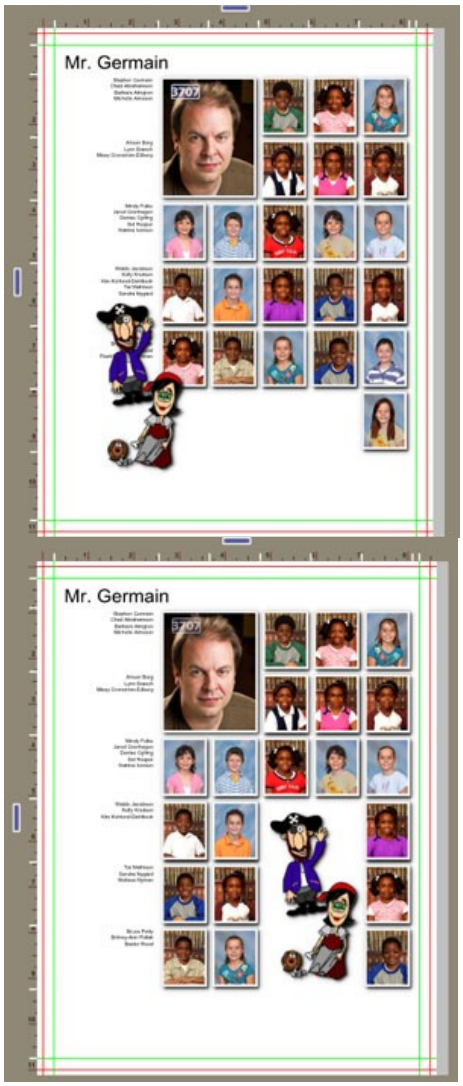
Alignment defines labels and frames will be relative to the page. Edge refers to the outward facing side of the page and gutter to the inside bound edge. The labels will flip sides on adjacent pages. Left and right will make the labels consistent across all pages, always aligned in the same position. Facing pages will look identical.

Border width affects the size frame border around the images. Dial it up for thicker borders, set it to 0 for no borders.
Header size and label size change the size of the text to these areas. Note the color chips next to these three options - click on them to customize.

Featured Images is set to 0 by default - creating a panel with equal-sized frames. Change this option to 1, and the first image in every panel group will increase to a 2x2 size. Dial it to 2, and the first two images will be 2x2 size.



Autoknockout is turned off by default. When you drop an image frame on a panel (eg. a clipart decoration), the image frame will float on top of the panel, covering it up.



When **Autoknockout** is turned on, images dropped on top of the panel will cause the panel to get out of the way.
The panel frames will flow around the new images.

Panels in Advanced Mode: If you want more control over your finished panels, then switch to advanced mode at the top of the panel editor. At the top of the editor, you'll see the same Mode controls as in Simple.

Auto mode is the default. Frames are flowed automatically across the page.
Manual mode unlocks the panel, so panel frames and labels can be selected individually. Because manual mode "breaks" the panel apart, it will no longer automatically update or reflow if data is changed in the organizer. As such, a password is required to go into manual mode to protect users from wrecking their layout.
Lock freezes the panel from further reflows or changes.
Crop unlocks the image frame, allowing you to reposition a portrait image within the frame.

Apply settings... limits the scope for changes:
to all panels in the project. If you change an attribute (eg. the frame border width and color), all frames in all panels will have these attributes applied to them.
to the current set of groups. If you change an attribute (eg. the frame border width and color), only the frames in the current panel will have these new attributes. If you have made separate panels for staff and students, for instance, you can make changes only the student sets).
to one particular group: If the panel has been grouped (eg. by grade, by teacher), you can pick single group to apply new attributes to. For instance, you can change the frame border color for only the members of the graduating class.

Next follows three sets of icons, which allow you to toggle between...

- **panel population options**: to determine which people will be in the panel and how they will be grouped.

- **panel settings**: to set the way the panel text, headers and frames will appear
- **panel image properties**: to set the border shape, color and other appearance options.

Panel Population: The first icon allows you to configure the way your panel is populated.

Choose SHOW ALL, your panel will include every person in the database.
Choose SHOW ONLY to pick only particular members of the database, using the drop box options listed below.
eg. Show Only > Grade 6 will create a panel set that only contains members of your database in Grade 6.

Panel Set Grouping & Sorting: Grouping is a very useful way to create "chapters" or sections for your panels. If you do not specify a grouping criteria and choose to show ALL of the panel set, you will have get one giant panel including every person in the school in alphabetical order -- not a very useful way of organizing your book! Grouping and sorting options allow you to tell the panel how it will organize itself. Grouping and sorting are enabled after the panel is populated.

Panel Set Grouping options use information that has already been associated with the PSPA database.

By default, no grouping options are set.
Click on the **Group** by drop-box to choose which field will be used to group your panel. It is important to consider that the Header text will display the information in this field.

Most of the time, choosing the TEACHER, GRADE or HOMEROOM field will sort your panel in a useful way. You can choose to sort these groups by another field next, so, for instance, group all the panels by the Teacher, but sort them by grade. This way, all the Grade 4s will appear together, organized by their classroom teacher.

Here is an example of a Panel grouping. Notice how all the group's associated labels appears below the grouping options.

Click on one of the names in the group list -- or hold the Ctrl key on your keyboard, and select more than one.

You will now be able to:

- use the up and down arrow keys, **to move one or more groups** to a different position in the panel set. For instance, maybe the graduating classes need to appear at the front of the book - select their groups and use the up arrow to advance them past all the undergrad groups.

- **turn off a group.** Maybe your graduating class shouldn't appear in this panel set. In this example, select these groups by their teacher's name, and turn off the **Enable** button. They will disappear from the panel set.

- **turn off Page Breaks** between panels. To save space, maybe you would like all the Grade 4s to run one after the other. Select their teachers (say, Darroch, Germain and Stalwick, in this case), and turn off the **Page Break** button. Now, the Germain class will start on the same page as the last line of the Darroch class, and the Stalwick class will start right following the Germain class.

Note: If you sort by Grade, you may need to move the groups around a bit. Computers are rather literal about the way they understand ordering - they doesn't understand that a grade marked as "PreK" comes before "Kindergarten" which comes before Grade 1, which is before Grade 10. Computers use strict alphabetical ordering --numbers proceed letters, and numbers are read "alphabetically". As a result, you may see a populate by grade that looks like this: 1, 10, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9, K, PreK.

If this occurs, select one of more groups and bump them into the correct order with the side arrows next to the list - PreK to the first position, then K, then move down 10-12 to the bottom. In a few clicks, all will be as expected.

Sorting options: Sorting allows you to organize the panels internal to the grouping. If you have used the ***Make Into..***. feature, most of your prioritization work will have been done.

Ensuring that every member of your database has been assigned a priority will rank them with the panels - teachers will appear at the front of their classes, and the principal at the front of the staff page.

If there are no priorities assigned to the images, then alphabetical ordering by last name will apply.

Customizing Your Panel Layout: The second set of icons allows you to change the way the panel looks overall.

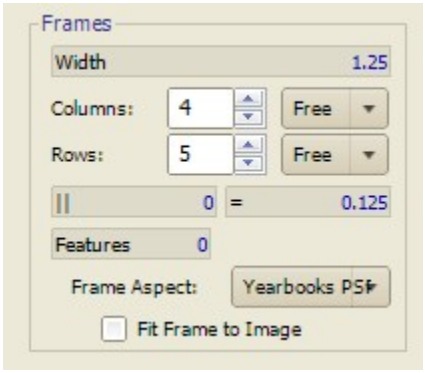
You can reconfigure the way the grid of image frames appears by choosing the panel section of the icon,

change the panel label text by choosing the label portion of the icon,

or change the panel title bar options by choosing the header options,

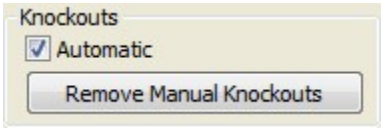
A new set of "drawers" will open on the Panel hover for each of these selections.

Customizing the Panel Grid: Choose the grid to access options to change the grid's appearance

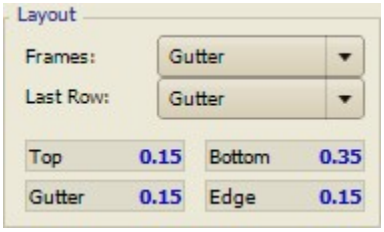


Frames change the size and arrangement of the panel frames.

Width changes the actual size of the frames.
Columns & rows change the number of frames on the page, autoadjusting their size. Free will cause the frames' width value to override the number columns and rows (ie. the columns and rows will change as the width of the frames changes, no limits); Fit will cause the panel to snap exactly to the selected number of columns and rows, regardless of the specified frame width or page size (ie. use this exact number of columns and rows); Max will not allow the panel to grow beyond the specified number of columns and rows (ie. "no more than" x columns or rows).
Intercolumn and interrow spacing can tighten or loosen the panel's spacing
Features, when set to 1, will increase the size of the first frame in the panel group to 2x2.
Frame Aspect changes the shape of the frame (length to height ratio). Fit Frame to image will snap the frame to the ratio of the photo.



Knockouts: When Automatic knockout is turned on, images dropped on top of the panel will cause the panel to get out of the way. The panel frames will flow around the new images. (See the example above, in Simple mode)
Remove Manual Knockouts will cause all panel frames that have been turned off (shown as pale red) to be restored. Your panel, if populated, will reflow to fill the restored frames.

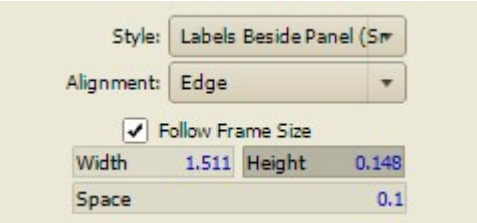


Layout controls the relative position of the image frames in your panel.
Frames aligns the panel to the gutter (the binded side of the page), the edge, the centre, the right or left side, or distributed equally along the width of the panel.
The Last Row allows you to choose the alignment when the panel does not fill all columns. It can be oriented to the gutter or edge, the left or right side, or centered across the panel.

Last are the panel margin widths. Changing this will cause the panel to occupy more or less space on the page as a whole. Note: margin changes apply to ALL panels, not a selected panel.

Customizing the Labels: To change the way the panel labels will appear, click on the Panel text portion of the icon at the top of the Panel editor.

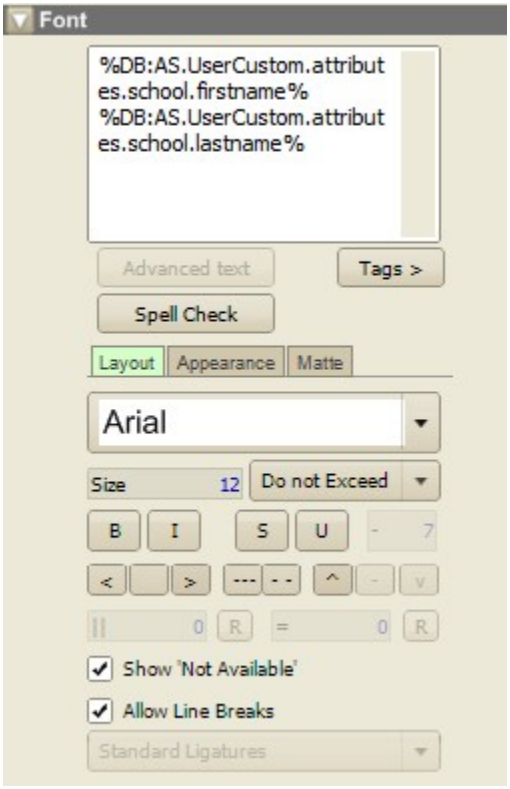
Label Settings allow you to specify where the text will appear -- on the edge or gutter of the page, on the right or left side of the page, or under each image frame. Having the Snug box check on will make the label closer to the panel images.



Style: select where the labels will appear on the panel. Beside the panel, beside the panel (snug) will place the names in a column down the side of the entire panel. Beside the image will show the lab next to the image itself. Under the image will caption each image. See above for illustrations.

Alignment: if the labels are beside the panel, you can choose which side of the panel or the page to place the column. You can choose to always place it to the right or left of the panel (so the labels will always be in a consistent position, or orient it to the edge or gutter of the page (so the labels will flip sides on alternate pages). Width and height can be adjusted to create more or less space for the text, and the Space to create more room between the labels and the panel.

The **Shadow** options for the labels are presented in the first drawer. It is highly recommended to keep the shadow off labels -shadows will make your labels very difficult to read, particularly when the book is printed.



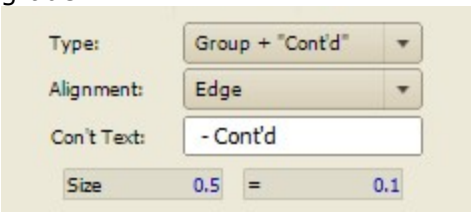
The **Font drawer** allows you to specify the way the labels appearance and what info appears in the label. You will notice there is some "code" that appears in the top window. This refers to the info drawn from the PSPA database, e.g firstname, lastname. Additional tags can be added - click inside this window to position your cursor. Click on Tags > then navigate to User Custom Tags > School to find the fields associated to your database that you wish to add to your labels. For instance, add TAGS > User Custom Tags > School > Title to add job descriptions to the staff page. (Learn how to change the default label tags in the previous section.)

Layout shows general info about your text- choose a font from the drop-down, change the font size, etc. The dropbox next to the font size tells the label how to behave relative to the space allowed for the label and the length of the label.
"Do Not Exceed" tells the label that it can go up to a maximum specified size, and shrink labels that are too long to be show at the maximum size (recommended).
Bold, italic, superscript, and underline are available as options, followed by alignment options.
Show "Not Available" will display placeholder text in labels that have blank fields. Eg. if a person is missing their last name, it will show "not available" in the label.
The **Allow Line Break** box is useful when you have labels under the frames (eg. on the Admin page, a persons name would be followed by their title underneath).

Appearance contains controls for the color and opacity of the text, and allows you to add an outline (solid or dashed).
(**Matte** is disabled for panel labels.)

Customizing Your Panel Headers

The Header is the title bar that appears over each section of your panel.
The header text will only be visible if you choose to group your panels after they are populated.
Grouping will tell the header to use a particular field in the database - such as the teacher's name or grade.



Type: Headers are always pulled from the Group that is organizing the panel. You can choose to use the Group name alone, only at the start of the panel group. If you choose Group + Cont'd, panels that run over the next page will start with a header and your choice of "continuation" text (type your choice in the Con't Text box). If you don't want an autogenerated header, you can turn it off completely.
Change Size to increase the size of the header itself, and change the interline spacing to create more room between the header and the previous section.

The general **Layout, Appearance and Shadow** options for Headers are identical to the Label options. See above for more details.
Use the area under Font to change or add information to the header - eg: add the tag for Teacher or Grade. Click on TAG, then choose User defined presets > School ... and select a database field to include.

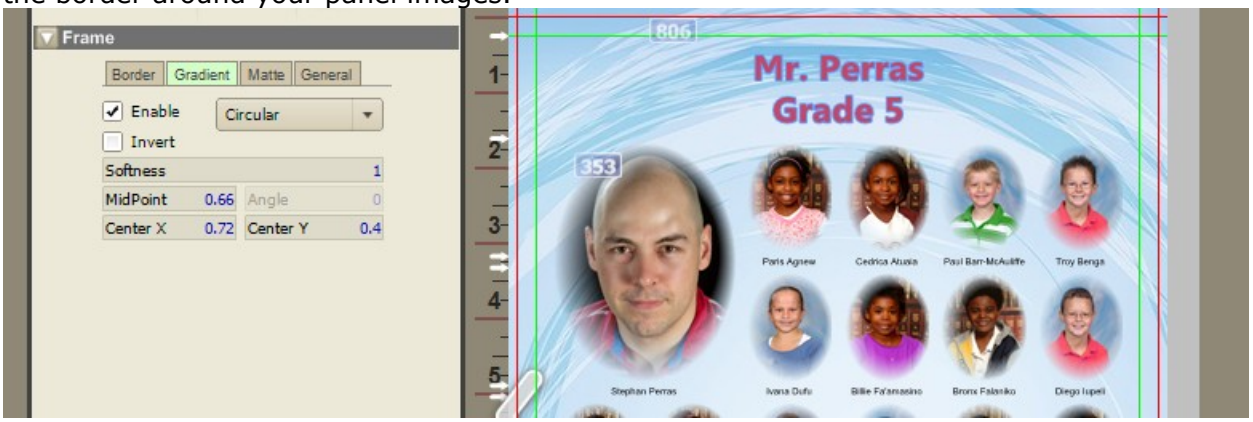
This example shows the tag for the teacher name. If we add additional info and some custom words, we can easily get this. The green highlighted section shows info that was manually typed into the window, between the tags. Yellow highlighted items are being pulled from the database info.

Customizing Your Panel Frames

The third icon at the top of the panel hover provides the same set of tools available to your standard image frames.

YB config hover frame

Click on the **Frame border** portion of the icon to access border thickness, color, gradient and matting options.
The standard FotoFusion frame border options will appear. You can change the width, shape, and color of the border around your panel images.



The **Image** section of the icon will adjust the color (eg. sepia, b&w).
Generally it is not recommended to adjust these settings, particularly the R/G/B, brightness, contrast and gamma values - your images have most likely been color-corrected by your photography company. Your monitor is most likely uncalibrated (meaning it does not show color accurately versus your final printed page), and you could end up with *very* strange looking photos if you adjust these settings - a school full of ghosts, aliens or even worse!

PRO-PROJECT TUTORIAL

All pros know -- time is money. Wouldn't you rather be shooting an extra job than spending hours in front of a computer making layouts?
FotoFusion can help you streamline your studio's work flow, but still provide your customers with beautiful output options. FotoFusion lets you decide how much time and customization you want to put into your projects.

Multi-page albums can be created with great efficiency using FotoFusion. Extreme license holders can choose to create full albums from scratch, or partially automate the design process, or use templates. The editing process is also rendered more efficient using FotoFusion, allowing you to make multiple sizes and quick on-demand changes to your work with minimal effort. Learn how to use the Page hover to work quickly within your project.

Other routine jobs, such as creating contact sheets or sending proofs to clients, can be facilitated through the use of FotoFusion.
Group layouts, such as class composites, can be done with greater ease. In general, FotoFusion provides a unique set of tools to help you work more efficiently on your pro-projects.

Album Presets: Find page size presets, including covers, double-page spreads, and single pages, for leading album manufactures in the Canvas Settings editor. Two quick clicks, and your page is ready for composition, complete with bleed and safe zones specified to the manufacturer's recommendations. If your album company isn't listed, feel free to refer them to the LumaPix website where they can fill out a form to submit their product specs.

Composition tools: From the Canvas Settings editor, set bleed and safe zones to ensure a perfect print every time. FotoFusion helps you with your page orientation by allowing you to select from among several page type (album singe, single sheet, double spreads) options. Use the splitter tool to easy create grids and mosaics.

Proofing tools: Use Overlay image info to add information about the images in your project (eg. file name) to the Create screen view and to your output. Generate a list of used images to avoid duplicate images and count the number of images in your project. Create low-resolution output in your choice of formats to send to the client.

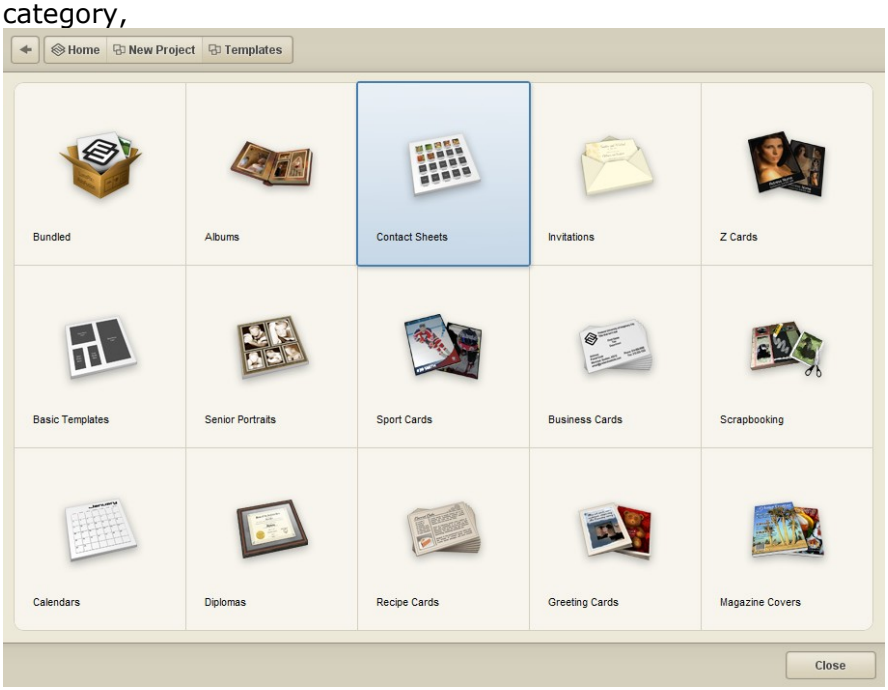
Organization tools: Use the organizer to view multiple folders simultaneously. Triage your images into "buckets" to pre-sort your album pages. Assign keywords, themes and ratings to your images, then search for them for quick and easy retrieval into your projects.

Templates: Search the Start Tab's Template area to find layouts for all your needs. Some materials are included for free with your license type.

CONTACT SHEET

Contact sheets can be as simple or customized as you like.

Option 1: Use templates. In the Start Tab > New projects > Templates, search the Contact Sheets category,



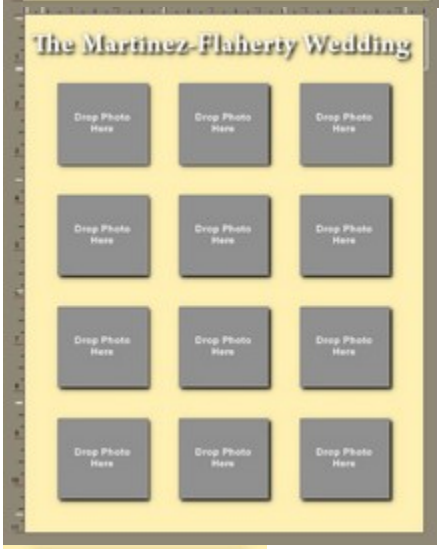
OR on the Create Screen type "contact" in the Search hover. Follow the instructions provided with the template to output your contact sheets.

Option 2: Create your own template from scratch

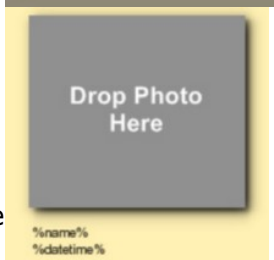
Create a new blank canvas to your choice of size.
Add a large blank frame to your canvas.

Add a background image or color if you wish.
Add a title (text-on-canvas).
Use the splitter to slice the large frame into smaller, equal-sized frames.

Select all frames, then right-mouse-down on any one frame. Select POSITION > Size > Automatically resize frame to fit image. The border will disappear automatically.
Use the Inset option in the Frame border editor to re-space the frames to provide room for labels.



Select all frames, then add text-to-image.
Click on the toolbox "T" key to add a text field, then replace the sample text with a text tag of your choice. This will allow you to insert information about the image, such as file name, date, etc.
Choose your font, align the text, change the color, remove the shadow... etc.
Reposition the text next to the frames, as desired.



Extreme users: click on the Pages hover button, and right-mouse down on the page. Select AUTODUPLICATE.
If you would like to retain the template for future use, click on FILE >> Save as Template

Bring your image set into the dropper, via the Images hover, or the Organizer/Buckets feature, or by clicking on the Browse for Images button on the toolbar. DO NOT drop the images onto the canvas.

Hit AutoPopulate on the toolbar.

FotoFusion will fill your template with the image set, and, if AutoDuplicate is set, create new template pages until no images remain.

Output the contact sheet(s) as desired. Render to pdf or other format, publish to web, print or email.

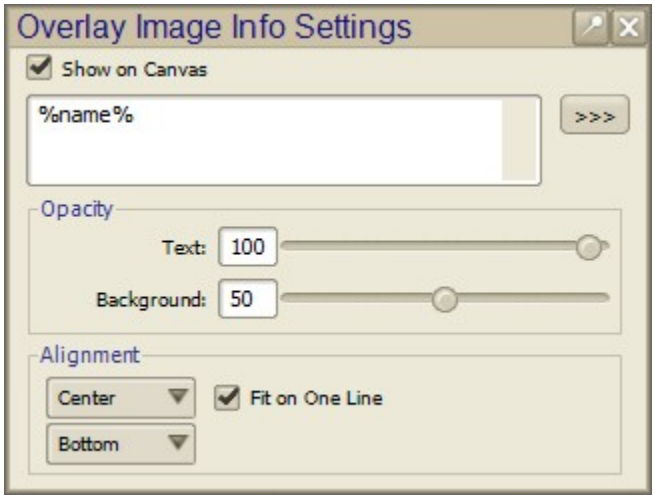
Option 3: Create an email or web contact sheet using the "contact sheet" theme: If you like to quickly email or publish a contact sheet layout, use the Contact sheet theme. This is useful if you have created an album, or would like to generate an instant contact sheet from a set of images through an AutoCollage. Consult the email themes section for more details.

PROOFING

Showing customers previews of their orders is always a good policy, as it allows their feedback before sending the job to press.
FotoFusion provides tools to make this process easier, and improve communication between you and your clients.

Overlay Image Info is a tool available on the Create screen and on the output tabs. Information about the images on your canvas can be displayed as a small text box under the images on your canvas. This tool is very useful for creating catalogues or assisting communication during the proofing process for album work.

To turn on Overlay Image Info on the Create screen, right-mouse select outside of the Canvas, then choose PROJECT >> Overlay image info, or go to the Tools menu item and choose PROJECT >> Overlay image info.



Turn the checkmark on to display the feature on canvas. By default, the image name will display, but you can click on the >>> button to choose other information from the image, such as the frame number, resolution, or other details.
You can further customize the look of the Overlay, changing the transparency level of the text and

surrounding background, and where the information appears on your image.

image by Stephen Eastwood

Used Image List, available to Extreme & Yearbook users, generates a text file list of the file names and locations of every image used in a project. To generate a list, click on FILE on the menu, then select PROJECT MANAGEMENT>> Export List of Used Images...
You will then be prompted to give a name to the text file, and to select a location where to save the file. Once saved, you can open the file by double-clicking on it. The text can be cut-and-paste into any other application of your choice.
Multi-page projects will be displayed by page for added convenience.

Creating a Proof Document: The Web Album feature is a great way to send a preview of your project to the client.
Alternatively render your project as a multipage, low-resolution pdf. Turn on Overlay Image Info on the Output to a File tab to provide information to your client about the images in the project, providing both a means to discuss the project with the customer (eg. "Move Frame number 6 on page 1 to page 2 please!") and also subtly watermarks the project. Render your project to between 75 and 100 dpi, creating a screen-resolution friendly version of the project, as a pdf. Don't split the double spreads - the client will be able to view the album as it will appear to them when printed.
You can add Watermarks and/or Banners to further brand your proofing document, if you wish.

Send the project to your client as an email attachment, if it is not too large a file, or use a file transfer mechanism (eg. yousendit.com, sendspace.com) to provide them with a download link, if you don't have your own server and client download area.

If you have your own website, upload to your web gallery: click on Publish to send your pages (with or without attached images), and change the theme to the Album Preview theme.

Generally, we don't recommend using the Share tab to send multipage proofing documents to clients. The Share tab creates a very small html embedded version of your project that usually doesn't give the client a sufficiently clear view of your work.

GROUP COMPOSITE

FotoFusion makes creating a composite image for school yearbooks or group portraits a simple process. *Note: YearbookFusion users have a special set of automated tools to generate panel pages/composites using their PSPA cd.*

LumaPix will soon make a special composite-making service available to streamline this process. Check our website for more info when the product is released.

Here are the basic steps to create a composite using FotoFusion Enhanced or Extreme.

Step 1: Organize your images: We suggest renaming your portrait image file names to the names of the person in the photo. For example, rename a portrait to Nancy Carr.jpg. Use the Organizer to sort your images into buckets (e.g. by class), if required

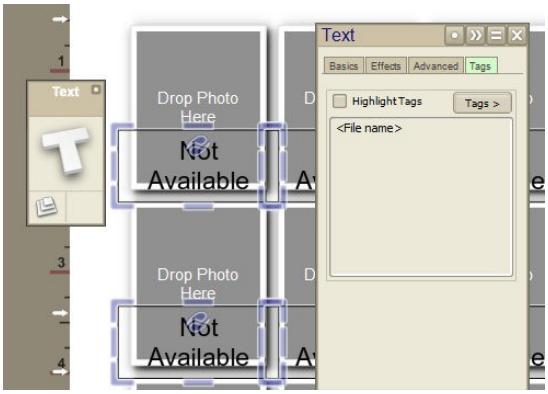
Step 2: Create a grid: Set your canvas dimensions as required. Insert a single large frame on the canvas, to cover the part of the canvas that you want to have covered by the panel images.

Change the frame properties as required. Change the border thickness or color, or add a matte, if you wish. You can also wait until after you have added your images to make these changes.

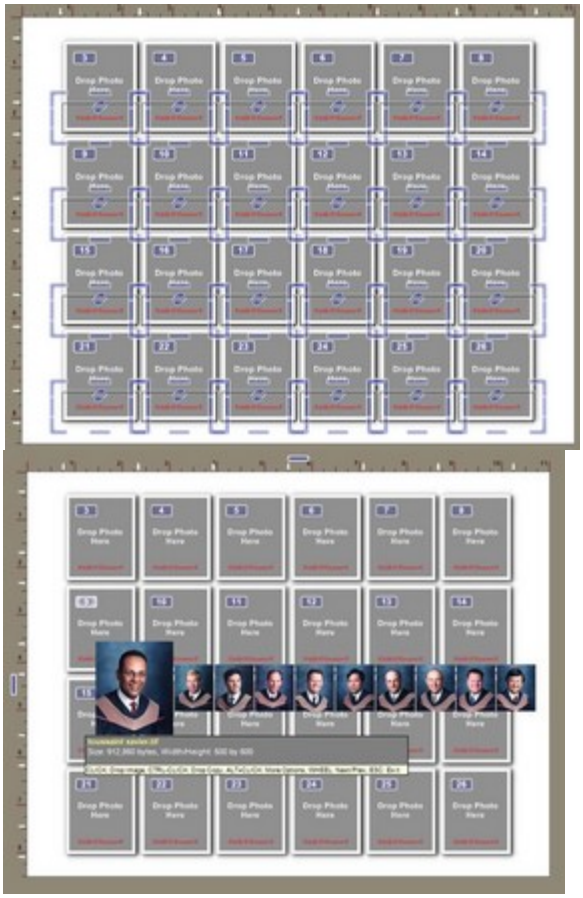
Use the splitter tool to divide the one large frame into a grid. Select the large frame, causing the Toolbox to appear. Mouse-down and drag up/down and side-to-side on the splitter icon to divide the one large frame into as many smaller frames as you require.

,

If your image files contain the names of the portrait subjects, add text tags. Multi-select all empty frames.
Click on the Toolbox to add text. Click on the Tags> button, and select File Name from the list of options.

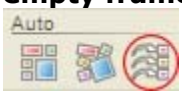


Change the text attributes as required.
Change the font and font size
Center the text, and/or align it to the top, middle, or bottom of the text frame.
Change the frame inset.
Change the text color and outline properties.
Turn the text shadow off, if desired.
Resize the text frame as desired, using the frame handles to change the size of the text frame.



Import your images...
from the Images hover or from the Buckets hover or from the Toolbar Browse Icon....
Select the images and drag them into the FotoFusion workspace, so they are loaded into the dropper.

Click the AUTOPOPULATE button to fill the empty frames.



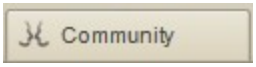
Your images will automatically drop into the frames on the canvas.

Edit the composition as required.
Multi-select frames to change the border color and width, the frame inset, or add a new matte.
Multi-select text frames to change the color, font and size of the text.
Add a background color or tile to the canvas, or use a textured paper.
Add text-on-canvas to create a title for the composition.

This work flow represents the very basic operation for designing a composites. Once these steps are understood, you can become more creative in your presentation and style.

For example, here are a few basic interpretations of the collage just made ...

THE COMMUNITY TAB

The 

tab is your gateway to exchanging ideas with other FotoFusion users.
FotoFusion is all about sharing with others: sending collages of travel shots to workmates, proof sheets to the newlyweds, or postcards of your kids to the grandparents.

The Community Tab gives you quick access to:

- The FotoScraps Gallery, to view what other FotoFusion users have been creating.
- Upload, where you can send your work to the FotoScraps Gallery.
- The Forum, where you can chat and ask questions to expert users
- The FAQ, which brings you to the LumaPix Support website
- News, where LumaPix lets you know about developments for FotoFusion
- Other..., providing links to preferred sites.

There is also an active Yahoo! discussion group centered on the use of FotoFusion for scrapbooking. Drop in!
If you have problems using FotoFusion, feel free to visit www.lumapix.com/support to view the Frequently Asked Question database and to leave a support ticket.

KEYBOARD SHORTCUTS

		PC Shortcut	Mac Shortcut
File	New Project	Ctrl-n	⌘n
	Open Project	Ctrl-o	⌘o
	Save Project	Ctrl-s	⌘s
	Copy in the Open/Save dialog	Ctrl-c	Ctrl-c
	Cut in the open/save dialog	Ctrl-x	Ctrl-x
	Paste in the Open/Save dialog	Ctrl-v	Ctrl-v
	Print	Ctrl-p	⌘p
	Add a new printer page segment	Ctrl-shift-p	⌘-shift-p
	Draw printer page segment	S + left mouse button down-and-drag	S + left mouse button down-and-drag
	Quit	Ctrl-q	⌘q
Tools	Undo	Ctrl-z	⌘z
	Redo	Ctrl-y	⌘y
	Copy	Ctrl-c	⌘c
	Cut	Ctrl-x	⌘x
	Paste	Ctrl-v	⌘v
	Close currently selected editor, toolbox or dropper	Esc	Esc
	Remove selected item(s)	Delete	Delete
	Select multiple items	Hold Ctrl, left mouse click on multiple items	Hold ⌘, left mouse click on multiple items
	Zoom out matte cutter	Ctrl (-)	Ctrl (-)
	Zoom in matte cutter	Ctrl (+)	Ctrl (+)
	Assign selected image(s) to corresponding bucket in Organizer	1, 2, …, 8, 9	1, 2, …, 8, 9
Project/Canvas	Zoom canvas viewer	mouse wheel	Two-finger mouse scroll
	Reset canvas view (show whole page)	Alt-a	Alt-a
	Move canvas view	W + left mouse button down-and-drag	W + left mouse button down-and-drag
	Center Canvas	Alt-c	Alt-c
	Move Canvas view	Shift-left-mouse-down-and-drag	Shift-left-mouse-down-and-drag
	Zoom Canvas view	Z-left-mouse-down-and-drag	Z-left-mouse-down-and-drag
	Zoom out	(-)	Shift (-)
	Zoom in	(+)	Shift (+)
	Full Screen	Ctrl-Shift-S	⌘-Shift-S
	Add a new blank page	Ctrl-Insert	-----
	Make a clone of a page	Ctrl-Shift-Insert	-----
	Refresh Screen	F5	F5
	Select all items on canvas or in a hover	Ctrl-a	a
	Move to the previous page	Page-up	fn↑
	Move to the next page	Page-down	Fn ↓
	(in editor) = all attributes applied across multi-page project	Ctrl-'=' button in frame hover	⌘-'=' button in frame hover
Dropper	Pick up selected objects with the dropper	p	p
	More options	Shift-left-mouse-click in dropper	Shift-left-mouse-click in dropper
	Drop copy	Ctrl-left-mouse click in dropper	⌘-left-mouse-click in dropper
	Turn dropper on to add images to canvas	D	d
	Change thumbnail size (hovers, dropper preview, organizer preview)	Ctrl-mouse wheel	⌘-two-finger-mouse scroll
Frames	Draw a new image frame	f - left mouse button down-and-drag	f - left mouse button down-and-drag
	Draw a new text frame	t - left mouse button down-and-drag	t - left mouse button down-and-drag
	Add a blank image frame	Insert or ctrl-shift-f	⌘shift-f
	Add a blank text frame	Ctrl-shift-t	⌘shift-t
	Duplicate Frame	Ctrl-d	⌘d
	Update the description and hotlink for the current frame	Alt-d	Alt-d
	Aspect ratio on/off	a	A
	Adjust gamma	Ctrl-toolbox image control	Alt-toolbox image control
	Change frame inset	Ctrl-toolbox border control	Alt-toolbox border control
	Snap Frame to Image	Ctrl-f	⌘f
	Snap Image to Frame	Ctrl-i	⌘i
	Merge selected frames	Alt-m	------
	Split selected frame	Alt-t	Alt-t
	Reset the rotation of the selected frame to be completely vertical	Ctrl-PgUp	fn⌘↑
	Spin (rotate) the selected frame left	,	,
	Spin (rotate) the selected frame right	.	.
	45 degree rotation increments	Alt-frame rotation handle	------
	Rotate image inside of frame	Ctrl-frame rotation handle	⌘-frame rotation handle
	Slower rotation	Shift-frame rotation handle	------
	Larger move	Crtl-arrow keys on selected frame	Alt-arrow keys on selected frame
	Smaller Move	Shift-arrow keys on selected frame	Shift-arrow keys on selected frame
	Finer control	Shift-frame resize handles	Shift-frame resize handles
	Override snapping	Shift-Ctrl-frame resizing handles	------
	Autocollage selected frames	Alt-q	Alt-q
	Sparse Autocollage selected frames	Ctrl-alt-q	------
	Auto Jumble selected frames	Alt-shift-q	Alt-⌘q
	Group selected frames	g	g
	Un-group frames	Shift-g	Shift-g
	Select first frame	Home	fn ←
	Select last frame	End	fn →
	Select next frame	Tab	Tab
	Select previous frame	Shift-tab	Shift-tab
	Bring the selected frame up one in the stack of frames	Ctrl-u	⌘u
	Bring the selected frame to the front	Alt-u	Ctrl-u
	Send the selected frame one back in the stack of frames	Ctrl-Shift-u	⌘-shift-u
	Send the selected frame to the back	Alt-Shift-u	Ctrl-shift-u
	Align group of selected images to bottom of page	Ctrl-2	------
	Align group of selected images to left edge of page	Ctrl-4	------
	Align group of selected images to center of page	Ctrl-5	------
	Align group of selected images to right edge of page	Ctrl-6	------
	Align group of selected images to top of page	Ctrl-8	------
	Align selected to each other > bottom	Alt-2	------
	Align selected to each other > left	Alt-4	------
	Align selected to each other > center	Alt-5	------
	Align selected to each other > right	Alt-6	------
	Align selected to each other > top	Alt-8	------

UPDATE HISTORY

Version 5.4 (build 95840) - *FotoFusion V5 and YearbookFusion* MAC Freeze Hangs • RS & DS in HZ • Reconnect Persistence / PNG Rendering. Cases resolved: 36646 No Fonts saved for Project. *36446 36655 36674 36648 36533 36641 35109 30526 36659 35858 32718 36693 36694 36654 36696 36227 36563 36569 36564 36570 36491 34971 36534 36703 36707 36537 36553 35439 35422 30708 34874 36618 34793 36676 36670 36605* (Released Oct 07 2013)
Version 5.4 (build 95686) - *FotoFusion V5 and YearbookFusion* Fix to UI Hovers on (clean) install Cases resolved: 36648 (released Oct 01, 2013)
Version 5.4 (build 95606) - *FotoFusion V5, YearbookFusion and Publisher-Specific release* PNG Mattes • MAC Freeze • PSPA Column Heading • Template Loading. Cases resolved: 33492 31417 36594 36639 36651 (released Sep 27, 2013)
Version 5.4 (build 95552) - *FotoFusion V5, YearbookFusion and Publisher-Specific release* CR Loop • Missing Fonts • Buckets Persistence Gallery 'Apply'. Cases resolved: *34137 34377 35910 35727 36582 34442 36521 36584 36593 36191 34877 36496 36542 36226 35866 32585 36428 35734 36429 36342 36602 36611 36597 36629 29853 36637 36638* (released Sept 25 2013)
Version 5.4 (build 95392) - YearbookFusion and FotoFusion V5 This will be 'the baseline build' of YearbookFusion for the 2013-14 school year. For non-yearbook users, this is simply another update with more bug fixes and a few new features. What's new? This release is mostly about stabilization of the software in preparation for the school year. We had time to do a few things for Enhanced & Extreme users: • Mac users will notice a big improvement: this build is 30% faster than the last Mac release and much more stable. • The German translation is back! • The next/prev arrows can be disabled (user preferences) … but really, this release was about nailing bugs so that school users would have a smooth yearbook season. Click here to see what's new for schools. We'll be releasing more features for Enhanced & Extreme users as soon as the school year is solidly underway. Cases resolved: 36560, 36551, 36556 (released Sep 19 2013)
Version 5.4 (build 95372) - *YearbookFusion only* Official YBF 2014 Release. Cases resolved: *34436 36451 36195 34144 33709 36368 33459 36416 36234 30387 33192 36384 33159 33160 33427 33285 33432 33451 33462 33481 33511 33206 33211 33528 33342 33356 33268 33271 33777 33783 33787 33564 33358 33374 33386 33390 33396 33591 33609 33611 33204 33209 33970 33906 33598 33686 33383 33411 33890 33978 33971 33687 33795 33263 33944 36381 36373 36376 36372 36377 36362 36378 36375 36380 36379 33264 36364 36358 35857 36382 36385 36390 36359 36284 36371 36357 36411 36309 33875 27331 35811 35106 35514 36414 35840 36404 36326 36302 36374 36363 36422 36401 30839 31789 36393 35950 35178 36438 36412 35509 35703 36297 33768 36431 36336 36328 36400 36334 36387 36392 36184 33931 36420 35337 34769 35402 33280 36439 29311 36425 34286 35907 36353 36179 35548 32285 35125 35445 35437 29107 34697 34699 29266 34186 31597 36397 36408 36407 36434 30188 34396 34408 35359 36006 34665 36106 34518 36450 36435 36443 36464 36237 36465 36476 36477 36478 34496 36470 36484 36475 36466 36395 36166 36499 36430 36504 36452 36453 36510 36514 36518 36522 36440 36530 36529 36528 36538 3653 36541 36259 36535* (released Sep 17 2013)
Version 5.4 (build 95079) - *FotoFusion V5 and Publisher-Specific release* Issues & features related to a particular publisher's build / Append / Stability, Book Manager enhancements. Cases resolved: *30905 34891 34899 35268 35265 35785 35930 36294 36288 33021 36261 36335 36323 36333 35093 35108 36268 35394 35627 35434 35750 35766 35751 33076 35826 35896 35883 35871 32307 21336 35867 34972 33913 35593 35716 35338 32309 34425 35118 35830 34878 34879 34883 34052 34045 34048 34051 33846 34391 34432 33680 33312 30013 33760 35958 34013 34083 33938 33933 33926 33899 33734 33798 35993 35471 36000 33967 33961 35984 33770 33990 34009 35915 34077 35584 33830 18007 33912 33494 35729 33914 33779 28392 33989 34334 33909 36024 35876 35974 34080 35978 33918 33746 33807 35877 35878 13116 31744 33778 26568 31855 35913 35508 33803 35908 27941 36022 24122 35834 35995 35610 35122 35490 35533 35567 36096 36064 35902 34831 36110 36119 36122 36124 34500 35885 35458 35839 35650 35060 36069 36074 35695 35595 35592 35489 36076 36085 36075 36084 33685 36120 35649 35555 35285 36073 35143 35213 36117 36080 35162 35131 36067 36136 36135 36138 36182 36185 36181 35967 36180 35968 36056 36057 35977 35554 35547 35918 36061 34512 35833 35326 35165 35432 35712 35812 32873 36219 36186 36225 36217 35934 35513 35380 35631 36116 36223 36224 31227 36134 35997 36177 34854 35112 35279 33539 35435 35655 35682 36066 36111 36087 36078 36174 36218 35944 36267 36236 36230 36238 36263 35121 36262 36269 36264 33722 36165 36159 36113 36257 36254 35684 34976 36244 36161 36258 36255 36245 36272 36271 35795 36280 30355 34605 34770 34933 35370 35472 35081 35269 35329 36275 36279 36291 35739 34136 36187 36287 35911 36256 36281 34566 34970 35262 35175 35150 35726 36276 35658 35664 34984 35620 36216 34400 29113 35629 36153 36300=-098754236304 36306 36307 30401 30402 35575 36308 36298 36160 36316 36312 36109 36231 36324 36318 36329 36341 36320 36340 36317 36327 36338 36344 36346 36348 36350 36347 35787 35786* (Released Sep 05 2013)
Version 5.4 (build 93661/93685) - *FotoFusion V5 only* • Restored Save as template with images stripped • Issue with buckets resolved • Compatibility issue with V4 templates resolved *Cases resolved: 35635 35921 35925 35926 35932 35933 35940 35945* (released July 8/9, 2013)
Version 5.4 (build 93352) - *FotoFusion only* •Frame border render issue resolved *Case resolved: 35900* (released June 25, 2013)
Version 5.4 (build 93191) - *YearbookFusion only* •Project thumbnail generation when archived *Cases resolved: 35879 35880 35884 35890 24079 35774 35845 35841* (released June 19, 2013)
Version 5.4 (build 93023) - *FotoFusion v5 only* •Crash running connection diagnostic when offline / Invalid JPGs validate *Cases resolved: 35774 24079* (released June 12, 2013)
Version 5.4 (build 92895) - *FotoFusion v5 only* •Blending mode presets added for Enhanced users / Increased email capacity / Chinese Windows operating system compatibility *Cases resolved: 35814 35819 35823 35721 3589 28748 35824 35841 35845 35844 35570* (release June 6, 2013)
Version 5.4 (build 92555) - *FotoFusion v5 only* •Missing Images error on adding DS Content *Case resolved: 35808* (released May 23, 2013)
Version 5.4 (build 92533) - *FotoFusion v5 only* •Blending modes added for Extreme *Cases resolved: 11926 31040 32329 33759 34482 34484 34493 34938 35327 35441 35468 35481 35551 35564 35630 35632 35633 35634 35642 35669 35702 35718 35722 35730 35731 35733 35740 35741 35744 35748 35753 35755 35757 35759 35761 35773 35790 35791 35794 35797 35802* (released May 22, 2013)
Version 5.4 (build 92075) - *YearbookFusion only* •Assemble book added to book manager • new book manager ui • PDF render with flattened text, lingo fixes for translation, cropping issues with dotScrap content, render to psd disk error resolved *Cases resolved: 14015 19368 24079 24204 24627 2762129666 29672 29861 29987 30332 31517 31552 31578 32017 32455 32457 32589 32674 32675 33121 33124 33251 33252 33254 33282 33410 33426 33436 33456 33474 33477 33487 33489 33503 33506 33507 33508 33535 33634 33637 33638 33640 33641 33644 33645 33654 33672 33715 33716 33718 33720 33730 33732 33749 33751 33752 33753 3378533822 33842 33900 33901 33976 34033 34064 34069 34191 34199 34237 34283 34319 34326 34341 34342 3435034358 34359 34362 34363 34383 34387 34448 34461 34462 34464 34465 34466 34468 34507 34578 34618 34663 34681 34683 34684 34709 34722 34803 34915 34932 34944 34965 34974 34975 34977 34979 35002 35003 35006 35069 35077 35082 35087 35095 35133 35134 35135 35158 35160 35166 35177 35190 35223 35225 35228 35231 35242 35244 35274 35278 35280 35281 35282 35312 35368 35371 35378 35383 35398 35401 35403 35404 35413 35418 35426 35431 35444 35447 35452 35453 35454 35462 35464 35465 35466 3547435476 35478 35479 35484 35486 35488 35491 35493 3549435496 35498 35500 35501 35502 35503 35510 35515 35525 35528 35531 35532 35543 35546 35549 35552 35553 35560 35563 35568 35569 35572 35577 35587 35594 35598 35601 35602 35603 35604 35607 35612 35613 35615 35619 35623 35639 35640 35646 35657 35659 35665 35670 35686 3569135692 35701* (released May 3, 2013)
Version 5.4 (build 91500) - *YearbookFusion only* •Crash on load, flipping pages *Cases resolved: 35382 35408 35411 35414 35416 35417 35419 35423 35424 35425 35427 35428 35382 35408 35411 35414 35416 35417 35419* (released Apr 9, 2013)
Version 5.4 (build 91455) - *YearbookFusion only* •Slow RS loads • various crash fixes: CR issues, networking instability • database custom attributes persistence *Cases resolved: 22385 29672 32917 34180 34329 34647 34724 35096 35258 35301 35340 35343 35345 35350 35358 35363 35364 35366 35367 35381 35382 35385 35386 35387 35388 35392 6071 16391 28325 29028 29691 29760 29765 29766 29767 29847 29995 30026 30035 30720 30815 30947 32140 32462 32685 32808 32838 34004 34068 34092 34127 34252 34467 34480 34673 34706 34708 34714 34783 34822 34941 34942 34964 35040 35045 35046 35058 35059 35070 35071 35076 35083 350853509535108 35120 35123 35124 35126 35132 35136 35139 35144 35148 35153 35155 35164 35167 35168 35170 35171 35172 35185 35189 35191 35198 35209 35212 35214 35220 35221 35222 35227 35229 35234 35241 35242 35243 35244 35246 35247 35248 35249 35251 35254 35257 35263 35267 35270 35272 35276 35283 35287 35288 35289 35298 35299 35302 35303 35313 35315 35316 35319 35321 35324 35328 35330 35336 35339 35341 35342 35346 35356 35357 35362 35372 35373* (released Apr 8, 2013)
Version 5.3 (build 90863) - *YearbookFusion and FotoFusion V5* • Freeze on load (or archive restore), fix for remote storage projects with dotScrap frame *Cases resolved: 32065 32612 33199 33319 33512 33694 34575 35065 35073 35085 35101 35107 35111 35127 35128 35138 35145 (released Mar 14, 2013)*
Version 5.3 (build 90717) - *YearbookFusion and FotoFusion • V5* Fixes to panel corruption after crash restore *Cases resolved: 4124 32929 33339 34950 35036 35048 35074 35080 35092 35100 35103* (released Mar 8, 2013)
Version 5.3 (build 90636) - *YearbookFusion and FotoFusion V5* • Cleanup of 'External Editing' feature-- When you right-click on an image and choose image > external edit > edit in external tool. We remember your preference to copy the image first, or work directly on that image. By default, the duplicated & edited image is saved beside the original. Where you save the image to is now a user preference. •Mac-specific: External drives are detected upon insertion, instead of requiring a restart, The file/open dialog shows the Mac desktop, documents, and user folders, PSD Thumbnails are now rendered correctly. • Bug Fixes: Many crashes were found & fixed, The font list no longer 'jumps to the top' during scrolling, Preflight only interrupts rendering for errors, not warnings
[plus dozens of other fixes too tedious to list] *Cases resolved: 31218 34754 34893 34936 35033 35034 35055 35061 35072 2563 29757 30959 31180 31550 32243 32337 32619 32893 32966 32996 33199 33366 33549 33886 34228 34345 34447 34479 34536 34561 34575 34576 34611 34632 34651 34655 34660 34738 34751 34766 34776 34821 34843 34845 34869 34873 34875 34876 34881 34892 34894 34903 34904 34911 34919 34920 34921 34923 34924 34934 34936 34937 34943 34945 34947 34951 34959 34960 34961 34962 34963 34969 34973 34978 34980 34982 34985 34987 34990 34991 35008 35010 35014 35016 35021 35023 35027 35032 35035 35039 35050*

(released Mar 4, 2013)
Version 5.3 (build 90176) - *YearbookFusion and FotoFusion V5* • Append PSPA & RS Projects *Cases resolved:28820, 29644, 34102, 34177, 34295, 34313, 34354, 34389, 34390, 34436, 34438, 34470, 34477, 34490, 34492, 34494, 34514, 34516, 34522, 34538, 34553, 34568, 34607, 34615, 34643, 34689, 34690, 34731, 34742, 34748, 34764, 34778, 34789, 34808, 34809, 34823, 34824, 34825, 34832, 34835,34837, 34838, 34847, 34849, 34850, 34866, 34872* (released Feb 13, 2013)
Version 5.3 (build 90115) - *YearbookFusion only* • Rounded Corners for YBF • Append *Cases resolved: 34533 34725 34766 34767 34771 34777 34779 34784 34786 34790 34801 34804 34805 34810 34817 34818 34827 34828 34834* (released Feb 10, 2013)
Version 5.3 (build 90000) *FotoFusion V5 only* •Version 4 backwards compatibility issues • inset fix *Cases resolved: 34728 34730 34733 34745 34747 34750 34752 34756 34757 34758 347593 4760 34761 34762* (released Feb 6, 2013)
Version 5.3 (build 89891) *FotoFusion V5 only* •Rounded Corners for FF *Cases resolved: 681 2713 26531 29845 31253 33794 34133 34247 34262 34292 34367 34372 34401 34427 34439 34440 34441 34443 34444 34459 34471 34476 34489 34497 34499 34504 34505 34513 34521 34525 34526 34528 34530 34535 34539 34546 34556 34562 34565 34567 34588 34591 34594 34603 34609 34610 34613 34616 34619 34622 34624 34626 34633 34635 34636 34640 34645 34650 34656 34676 34678 34691 34692 34693 34695 34697 34700 34711 34712* (released Feb 1, 2013)
Version 5.2 (build 88552) *YearbookFusion and FotoFusion V5* '• Chapters' don't load after name selected / Changes Lost; Saves after Undo *Cases resolved: 34430 34446 34449 34450 34460 34473 34474 34475* (released Dec 7, 2012)
Version 5.2 (build 88405) *YearbookFusion and FotoFusion V5* • Scannable QR codes for Web Albums: Now when you output a web album, we add QR codes in two places:The output tab shows you a QR code for recently-published albums; The last page of published web albums include a QR code representing that album. This makes it easier to share albums with friends – just point any HTML5-enabled smart phone at that code and you'll see the album. • Preflight toolset: You'll find a new "Preflight" hover in the nest at the bottom of the create tab. This opens a new window which validates either the current page or your entire project. Clicking on a result in the list at the bottom jumps to the page holding that frame and selects it. This makes it easier to detect and fix common problems, such as Too-low-resolution images, Empty frames, Missing (e.g. renamed) images & fonts, Clipped text, etc, • YearbookFusion improvements: We have added a new mode for panels: cropping enabled. When in this mode, users can select and crop panel images directly (one would do this in order to crop a late-added photo of a kid who missed picture day to match the rest of the panel). This is a minor UI tweak but a huge improvement – in previous versions it was necessary to put the panel into manual mode to tune image cropping, which is serious overkill. • Mac improvements: Older installation won't let users browse for output folder - fixed. Freezes when pulling images from networked drive - fixed. Cleaned-up export – FotoFusion now exits cleanly. *Cases resolved: 24008 24553 30162 30707 31741 31882 31886 32153 32384 32406 32527 32663 32677 32704 32891 33018 33059 33393 33488 33514 33543 33544 33547 33594 33595 33596 33682 33700 33705 33773 33811 33839 33884 33952 34032 34037 34047 34074 34090 34093 34095 34098 34099 34106 34155 34158 34163 34164 34167 34170 34173 34174 34179 34181 34182 34185 34189 34190 34192 34193 34194 34195 34197 34198 34200 34203 34205 34206 34209 34211 34212 34214 34215 34216 34217 34220 34221 34223 34224 34225 34232 34233 34234 34235 34240 34243 34248 34251 34253 34254 34255 34256 34257 34258 34259 34260 34266 34267 34268 34269 34272 34274 34275 34276 34277 34278 34279 34281 34282 34284 34288 34289 34302 34303 34304 34307 34310 34311 34312 3431634321 34323 34325 34332 34335 34336 34337 34340 34344 34346 34349 34351 34352 34356 34357 34360 34361 34364 34368 34371 34374 34375 34392 34393 34394 34395 34398 34399 34406 34407 34414 34421 34422 344263 4433 34434 34435* (released Dec 3, 2012)
Version 5.2 (build 87878) *YearbookFusion, FotoFusion V5 and FullScale* •MAC Exit Hang (WineLoaders) •ArcRest MAC '~' Path • PC crash on exit • CR SaveAs persistence *Cases resolved: 29185 30517 30572 31680 31909 32932 32973 32999 33001 33003 33028 33060 33061 33075 33089 33094 33095 33096 33129 33147 3316233178 33181 33183 33205 33212 33216 33217 33236 33243 33255 33284 33303 33345 33346 33347 33361 33376 33380 33384 33388 33399 33464 33476 33526 33540 33610 33612 33619 33635 33649 33651 33659 33677 33684 33693 33699 33701 33703 33704 33708 33711 33724 33731 33735 33739 33769 33771 33772 33776 33782 33790 33793 33796 33804 33810 33821 33837 33845 33851 33853 33859 33872 33874 33876 33878 33881 33883 33885 33904 33907 33911 33923 33927 33934 33937 33939 33947 33953 33960 33968 33974 33979 33986 33995 33999 34000 34001 34002 34008 34015 34016 34017 34018 34019 34020 34021 34022 34023 34030 34031 34034 34035 34036 34038 34039 34040 34041 34042 34043 34046 34056 34057 34058 34060 34061 34067 34069 34070 34071 34072 34073 34074 34075 34079 34082 34085 34088 34089 34091 34095 34100 34104 34105 34107 34108 34109 34114 34119 34120 34125 34126 34130 34132 34135 34142 34143 34146 34147 34166* (released Nov 12, 2012)
Version 5.2 (build 87430) *YearbookFusion, FotoFusion V5 and FullScale* Form Factor updates for selected companies. Strengthened the automatic project backup feature. *Bug Fixes*: Several stability and minor rendering issues fixed; Several issues with clipped text fixed; Rendering all pages to PDF on the Mac working correctly again *Cases resolved: 7052 27552 28336 28861 30808 31429 31560 31653 31759 31833 31834 31842 32023 32129 32556 32670 33615 33866 33891 33892 33893 33895 33896 33897 33917 33922 33924 33925 33929 33930 33943 33945 33946 33950 33957 33965 33966 33969 33972 33980 33981 33992 33994 33998 34003 34005 34006* (released Oct 22, 2012)
Version 5.2 (build 87204) *YearbookFusion, FotoFusion V5* Clipped Text / OT > RT On Load *Cases resolved: 17704 26067 31650 32505 33048 33218 33291 33292 33466 33510 33556 33565 33572 33579 33621 33627 33707 33802 33806 33818 33819 33820 33838 33848 33849 33855 33860 33861 33862 33865 33867 33868 33870 33873* (released Oct 12, 2012)
Version 5.2 (build 87059) *YearbookFusion only* Missing fonts / various crashes scenarios fixed *Cases resolved: 7188 9201 13181 26330 26509 27099 27420 27521 27522 27768 27770 27771 27772 27773 27776 27777 27897 27901 27902 27903 27905 27908 27916 27918 27929 28098 28160 28270 28640 28729 28948 29402 29968 29990 30112 30122 30306 30324 30339 30377 30383 30384 30385 30564 30565 30566 30567 30699 30731 30732 30759 30760 30816 31039 31104 31237 31272 31321 31466 31467 31471 31477 31519 31687 31741 31812 31861 31870 31877 31953 32167 32235 32271 32368 32400 32404 32438 32441 32460 32522 32538 32545 32547 32554 32559 32563 32564 32565 32567 32575 32578 32587 32588 32593 32620 32653 32654 32655 32666 32667 32673 32678 32692 32699 32702 32703 32735 32745 32747 32764 32765 32767 32772 32797 32811 32830 32831 32846 32882 32898 32899 32900 32906 32921 32925 32936 32945 32953 32958 32967 32992 33008 33014 33020 33030 33050 33052 33054 33058 33062 33072 33086 33097 33099 33118 33122 33133 33143 33172 33182 33197 33202 33210 33240 33242 33256 33258 33262 33278 33295 33300 33308 33309 33323 33324 33334 33335 33338 33351 33359 33360 33371 33372 33379 33381 33385 33394 33397 33402 33403 33405 33406 33407 33408 33409 33415 33418 33428 33431 33439 33441 33444 33449 33468 33469 33470 33471 33480 33483 33493 33499 33500 33501 33515 33516 33518 33524 33525 33529 33530 33533 33534 33536 33537 33538 33539 33541 33552 33553 33554 33555 33557 33559 33560 33561 33563 33566 33567 33573 33574 33575 33576 33577 33578 33580 33583 33584 33585 33586 33587 33588 33589 33590 33593 33601 33602 33603 33604 33605 33606 33613 33614 33616 33618 33620 33622 33633 33642 33646 33647 33648 33650 33653 33655 33657 33658 33660 33661 33662 33663 33671 33673 33675 33676 33678 33679 33689 33692 33695 33696 33710 33713 33717 33721 33723 33725 33726 33727 33740 33741 33742 33743 33744 33745 33761 33762 33765 33766 33780 33781 33784 33786 33788 33814 33815 33816* (released Oct 8, 2012)
Version 5.2 (build 86567) *YearbookFusion only* The 2013 edition of YearbookFusion has been released to all yearbook customers! *What's New:* • Book Management & Remote Editing option: Online editing of candid pages by users who do not have YearbookFusion installed; Organization of books as collections of chapters – facilitating collaboration between multiple users. • Spell Check: Red underlining on words that are not in the dictionary. Right-clicking on underlined words offers suggestions for correct versions. • Much-improved Mac stability & performance • Remote Database option coming soon *Cases resolved: 32960 32897 33069 31115 33235 32905 32968 32530 33157 30560 30059 30144 31242 31566 30087 30049 31499 31634 30345 31696 31915 32349 31150 29978 30125 31113 31369 33012 31350 32715 31079 31460 3125 31716 32570 32479 31983 33098 33114 33107 31283 33116 33106 33104 33120 33145 31470 31669 30949 32260 31848 32603 32275 33105 33136 31991 33153 31943 31462 32264 32331 33130 33163 33168 33137 33200 33171 33138 33189 33166 33169 33173 33175 32541 33146 33150 33152 32978 32979 33301 33306 28427 33101 33224 33241 33203 33229 33287 33226 33220 33330 33167 33349 33239 33352 33326 33307 33317 33325 33198 33294 33195 33149 33177 33265 33277 32834 33237 33238 33274 33304 33266 32961 32878 33232 33286 33321 33355 33305 33373 33425 32560 33100 32962 33400 33417 33154 33467 33141 32876 33113 33156 33228 32933 33365 33421 33367 33434 33460 33472 33473 3341233370 33502 33067 33071 32629 33249 33275 33316 32562 33231 33257 33270 33290 33354 33461 33465 33478 33245 33357 33221 33314 33329 33331 33350 33392 33413 33438 33442 33450 33454 33455 33479 33482* (released Sep 16, 2012)
Version 5.2 (build 86197) *FotoFusion users only* • *Update counter, default output options* Cases resolved: 33023, 33064, 33080, 33081, 33084, 33083, 31356, 33088, 33090, 32245, 33092 (released Aug 31/12)
Version 5.2 (build 86150) *FotoFusion users only* • Mac 10.8 and Window 8 compatibility •Start tab added *Cases resolved: 32809, 32754, 32787 , 31760 , 32676 , 30452 , 25940 , 32557 , 32158 , 31513 , 32824 , 32825 , 32298 , 32828 , 32780 , 31630 , 31773 , 32802 , 32634, 32690, 32790, 32855, 32553, 31942, 32274, 32694, 32658, 32246, 32695, 32738, 30849, 32062, 32160, 32799, 30005, 32783, 32826, 32817, 32818, 32814, 27474, 32839, 31956, 32782, 30970, 32821, 32706, 32147, 32822 32815, 28165, 32894, 32895, 31676, 32837, 1166, 2493, 5688, 8297, 13486, 14803, 32847, 30237, 29791, 30183, 31325, 32795, 32796, 32798, 32800,, 32816, 32861, 32169, 32829, 28358, 30478, 17259, 3629, 32643, 31119, 29944, 32854, 32552, 26024, 32786, 32785, 31918, 32840, 32904, 32901, 32909, 32888, 32650, 32834, 32792, 32879, 32881 32434,, 32892, 32931, 32935 32852, 32363, 32827, 32476, 32370, 32477, 32883, 32865, 32833, 32853, 32576, 32938, 32951, 32944, 32943, 32946, 32896, 32949, 32884, 32648, 32930, 32959, 32870, 32914, 32355, 32832 32607, 32984, 32987, 32995, 32942, 33005, 32941, 32998, 32948, 32975, 32871, 33010, 33011, 33017, 33015, 32976, 33013, 32928, 32988, 32989, 32993, 33002, 32991, 32997, 32992, 33007, 33032, 33040, 33041, 32947, 33024, 33027, 33039, 33031, 33006, 33019, 33042, 32794, 33043, 33049, 33046, 33044, 33053, 33047, 33037, 32793, 33025, 33022, 33051* (released Aug 29/12)
Version 5.2 (build 85432) *FotoFusion users only* FotoFusion v5.2 is all about compatibility. With this release, FotoFusion has been modified to be ready for use on MacOS 10.8 (Mountain Lion) and Windows 8 *New Features* • We have introduced a 'Start tab', which holds what used to be the Home Zone. • Easy-to-hit controls for Next / Prev page are now overlaid on the canvas, speeding up page navigation. • Contextual ("right click") menus now feature 'recently used' controls to accelerate access to frequently-used tools • Optimizations - reduced memory use and optimization of uploads to remote storage • Improved support for French, Portuguese, German. *Bug Fixes* • Enhanced users access to custom Form Factors restored • Support for images on external media cleaned up – now predictably asks if you want to copy or reference images •

Series of issues with clipped text resolved • Drives are now displayed sorted by drive letter (instead of by drive name) • Series of issues with autorotated images edited outside of FotoFusion - fixed *Yearbook Publishers*_• Missing fonts not reported when rendering project – fixed • Control over watermark size and position now exposed in RepAdmin • Images in school organize tab now labeled with names instead of GUIDs • Panel manual mode can now be optionally password-protected in RepAdmin • Panels support occlusion modes (Square, Through, Full Line, etc) • Form Factors • The following form factors were updated: ACI, Finao *Cases resolved: 32347, 31492, 32571, 31530, 32595, 31739, 31147, 29997, 32623, 32622, 31987, 21114, 32657, 32577, 32749, 19672, 32519, 32610, 31972, 32596, 21344, 30361, 29223, 32579, 32665, 32713, 19250, 32407, 32216, 32528, 32220, 32581, 7988, 32686, 32597, 32709, 32710, 32716, 32616, 32638, 32345, 32688, 32580, 28319, 27980, 32591, 32608, 32544, 32540, 32507, 32730, 32467, 32652, 32732, 32733, 32651, 31514, 31539, 32687, 32689, 32691, 32707,32708, 32731, 32729, 31485, 30371, 31686, 32487, 32617, 32736, 32737, 32739, 32483, 32590, 32734, 32743, 32748, 32746, 31969, 32751, 32755, 32756, 32757, 32758, 32759, 32761, 32762, 32760, 32768* (released July 30, 2012)

Version 5.1 (build 84132) *YearbookFusion and FotoFusion v5 Features* • Spell checking. Misspelled words are underlined in red. Suggestions for corrections provided. *Important Bug fixes* • Occasionally text is clipped against top edge of text frame – fixed • User Preset form factors not saving correctly – fixed • Issue when bouncing projects between Mac & PC - fixed *Cases resolved: 32353 32486 32495 21555 32532 32491 32508 32466 32481 32482 32018 32155 30882 32511 32365 32510 32297 32362 32461 32485 32509 32520 32525 32526 32531 32478 30653 32420 32257 32294 32348 32360 32403 29588 1502 32207 32469 32472 32468 32417 32265 32546 32561* (released Jun 06 2012)

Version 5.0 (build 83607) *YearbookFusion and FotoFusion v5 Bug Fixes* • A few crashes have been isolated and fixed • Editing in an external tool saving correctly • Errors in rendering in very-low-memory situations improved *Cases resolved: 31864 32394 32288 32418 32444 28851 29340 32426 32440 32458 32464* (released May 15 2012)

Version 5.0 (build 83298) *New Features* • Frame region now visible when drawing frames over black canvas *Fixed Bugs* • Issues with project structure created when appending a copy of a local project - fixed • Issue with disconnected database producing grey panel frames – fixed • Rendering manifest and output brought back into alignment • Page thumbnails not updating after multi-page edits - fixed • Undo stops working after appending template – fixed *Cases resolved: 15625 32283 32086 32392 32395 32052 32369 32234 32352 32364 32376 32378 32381 28281 32366 32195 31766 32191 32192 32136 32332 31802 32393 32388 32396 32398 32401* (released May 03 2012)

Version 5.0 (build 83000) *FotoFusion and YearbookFusion Features:* This build adds a password to get in to panel manual mode (to avoid panel reflow issues), and adds the ability to create a PSPA-Style index from an existing database. *Bug Fixes:* Resolves issues with restoring archives, adding mattes to panel frames, and other instability issues. *Cases resolved: 31844 31890 32068 32099 32111 32118 32178 32221 32251 32325 32146 32181 32157 32179 32209 32237 32076 31904 31922 203 32328 32350 32351 31314 31893 32315 32354* (released Apr 20 2012)

Version 5.0 (build 82816) *FotoFusion and YearbookFusion* This build resolves issues with Yearbook panel sorting, archiving when projects are missing images and mattes. *Cases resolved: 32226 32267 32277 32280 32290 32043 32189 31905 32305 32304 32291 32303 32301* (released Apr 12 2012)

Version 5.0 (build 82622) *FotoFusion and YearbookFusion* This build resolves issues with Yearbook panel sorting, refresh issues in the Organizer and other issues. *Cases resolved: 32125 32176 32127 32183 32197 32236 32175 32061 32250 32088 32172 32114 32215 32242 32253 32148 28705 32258 32254 32268* (released Apr 04 2012)

Version 5.0 (build 82455) FotoFusion and YearbookFusion *Bug Fixes* • Yearbook Panels now handling blank priorities correctly • Ability to set mattes for yearbook panel frames has been restored • Crash after changing languages twice fixed • Affected update channels *Cases resolved: 32200 32193 32194* (released Mar 28 2012)

Version 5.0 (build 82432) *FotoFusion and YearbookFusion New Features* • Better support for proxy servers on Mac • Printing on Mac has been improved • Improved update mechanism for Mac version

Bug Fixes • Web Album now works better for trial users • Sort orders in Yearbook panels caused by accents and hyphens - fixed *Cases resolved: 31992 28661 32120 32184 32128 31528 29427 30945 31358 31361 (*released Mar 27 2012)

Version 5.0 (build 82386) *YearbookFusion and FotoFusion Features* • Yearbook videos / quickstart featured in home zone *Bug Fixes* • Crash on startup - fixed • Keyboard shortcuts fixed (insert frame / send image backward – forward) • Tooltips not appearing in photo lists –fixed *Cases resolved: 32173 27745 32161 31826 32151 32171* (released Mar 26 2012)

Version 5.0 (build 82333) *YearbookFusion and v5 [Mac]* This was a 'bug fix' release - No features were added in this build. *Cases resolved 31710 32123 32112 32132 31352 32152 31710 32123 32079 31352 32152 32126 32124 32121 31361 31358 32112 32132* (released Mar 23 2012)

Version 5.0 (build 82176) *Official v5 Release for MAC & PC* This represents three years of R&D poured into the YearbookFusion product, now made available to all FotoFusion users.

More power, more speed, and some awesome new sharing technology. We're very proud of V5 and hope you take advantage of our upgrade offer. Here's a summary of what's new compared to v4.5:

• Web Album output: Create a project, click a button, and it's visible to iPhone / iPad / Android / Blackberry / PC / Mac users; Flip from page to page with a variety of user-selectable transitions; Publish links to the project to Facebook, Twitter and email; Instantly share your work with friends, customers, and prospects; No fee - Projects live 30 days and include LumaPix branding.

• Completely Rewritten Text Engine: In-canvas WYSIWYG editing, Per-character attributes (bold/italic, font, skew, inter-character spacing, rotation, etc), Text effects (blur, emboss, inner shade, etc), Text in shapes (diamond, circle, etc) • Support for text direction (Hebrew, Arabic, Chinese, etc).PDF export now supports layers and vector text. • User Interface Improvements: Completely rebuilt Home Zone, Completely rebuilt Output tab, All dependencies on Flash (videos, gallery uploads), removed UI visuals generally tuned • Editing Improvements: Layout Mirroring, Text Search - find text anywhere in the project, Rebuilt canvas contextual menus, 'Delete' exposed in the toolbox, Page hover shows thumbnails in reading order regardless of window shape, Improved visual feedback identifying pages set to 'Exclude from Render' / 'Exclude from Numbering' • Stability and Speed Improvements: Two years of polishing performance and stability from YearbookFusion now available in FotoFusion, Multi-core rendering now supported, Undo now takes less resources; performance on slower machines improved, Crash restore (FotoFusion will attempt to restore your project after a crash) • Improvements to Mac Support: FotoFusion runs on any Intel Mac running Leopard, Snow Leopard, or Lion, with feature parity with the PC version, • Speed improvements – particularly to startup, Ctrl vs command key bindings cleaned up, Mac-friendly keyboard shortcuts for 'Insert Page' (ctrl-E) and 'Fit Image' (ctrl-I) added • Support: Remote support integrated into FotoFusion UI, Improved debug info reported to server after crash • Data Management: Versioning now available. Right-click on a project in the file/open dialog – you will be able to choose from previously-saved versions of the project, Option added to red eye tool: modify original / create corrected copy, Image Locator shows more information when helping user locate missing images/fonts, Local projects can be manually unlocked in the file browser • Translations: German, Portuguese, Mandarin • Form Factors: White House Custom Color, Blurb, Zookbinders, Millers/ Mpix, Bay Photo, Bridgeport, Finao, Leather Craftsmen, HP MagCloud Cases resolved: 29689 29971 30043 30472 30486 30767 31048 31111 31407 31501 31505 31506 31540 31541 31545 31550 31698 31701 31731 31749 31755 31761 31763 *31774 31777 31778 31785 31790 31791 31804 31805 31815 31866 31902 31903 31920 31923 31924 31925 31928 31931 31939 31940 31944 31950 31951 31955 31961 31963 31964 31965 31966 31967 31968 31973 31975 31977 31979 31980 31981 31986 31995 31997 3199 32000 32003 32005 32009 32012 32019 32020 32022 32024 32027 32030 32033 32034 32035 32036 32039 32041 32042 32047 32048 32051 32053 32054 32057 32058 32059 32063 32066 32069 32071 32072 32075 32078 32081 32089 32090 32097 32103 32110* (released Mar 19 2012)

Version 5.0 (build 81902) *YearbookFusion and v5 [Mac] Bugs addressed* A minor problem with mattes persistence and rendering was addressed. *Cases resolved: 31926 31927 31925 31903 (released Mar 05 2012)*

Version 5.0 (build 81886) *YearbookFusion and v5 [Mac] New Features* • Output tab UI rebuilt • UI Graphics generally revamped • 'Delete' exposed in the toolbox • Mac-friendly keyboard shortcuts for 'Insert Page' (ctrl-E) and 'Fit Image' (ctrl-I) added *Bug fixes* • A problem with panel pages being reflowed in specific circumstances was fixed. • Several crashes, particularly related to panel pages and when working with poor network connectivity, have been fixed • Freezes in a few circumstances on the Mac have been addressed. *Case resolved: 31733 31711 31783 31784 31838 31840 3182 31850 31895 31685 31678 31718 31851 31672 31692 31691 31694 31679 31675 31697 31703 31714 31695 31726 31724 31742 31713 31715 31730 31735 31734 31754 3175 31752 31747 31775 31780 31728 31721 31722 31719 31750 31745 31665 31666 31673 31674 31682 31709 31683 31800 31725 31670 31772 31664 31770 31788 31768 31681 31837 31829 31825 31859 31854 31865 31849 31843 3184 31839 31832 31830 31828 31824 31807 31806 31798 31797 31779 31792 31795 31740 31762 31847 31822 31743 31702 31699 31888 31823 31860 31880 31736 31717 31869 31867 31892 31889 31813 31896 31899 31900 31720 31871 31911 31887 31881 31729 31885 31913* (released Mar 04 2012)

Version 5.0 (build 81167) *YearbookFusion and v5 [Mac] Features* • At launch time, detect if another logged-on user has FotoFusion running at launch time • Panels: Fixes to bugs causing empty frames after crash restore or PSPA database appending. • Mac: Several fixes for crashes and freezing. • Loading projects with PDF content, or dropping PDF files on the canvas, works better now. • General: Fix for false positive virus detection by Sophos *Cases resolved: 21167 24618 31564 31592 31648 31480 27781 31534 31628 31625 31637 31631 31644 31632 31629 31580 31618 31656 31657 31658 31660 31604 31582 31586 31607 31616 31617 31652 31659 31588 31646 31656* (released Feb 05 2012)

Version 5.0 (build 81093) *YearbookFusion and v5 [Mac] Features* • 28154 Form factors added for White House Custom Color • 22508 Page hover shows thumbnails in reading order regardless of window shape • 31322 Option added to text tag editor: show 'not available' or leave blank • 31576 Remote support integrated into FotoFusion UI *Bug fixes* • We concentrated on problems with projects in Remote Storage that do not load correctly on user machines, or projects on local machines that cannot be saved to remote storage. We also worked on v4<->v5 compatibility in preparation for the rollout of V5. • 24025 "make all frames same size" now works correctly. • Mac: We fixed various crashes and freezing scenarios. *Cases resolved: 24076 26535 28154 31521 31455 31454 31049 24025 31523 31551 31518 31572 28376 30760* (released Jan 31 2012)

Version 5.0 (build 80722) *YearbookFusion and v5 [Mac] Features* • Undo now takes less resources; system performance on slower machines should improve *Bugs resolved* • Page thumbnails now show up in sensible reading order • Changing panel grouping now resets all disabled groups • Accents now sorted correctly in panels and

autopopulate ("Côté" now comes before "Cusson") • Color picker on Mac now working correctly • Other assorted stability issues were also resolved *Cases resolved: 31378 22508 31309 31358 31361 31335* (released Jan 17 2012)

Version 5.0 (build 80124) *YearbookFusion and v5 [Mac]* This update fixes an important bug related to loading and saving projects, and introduces project versioning. *New Features* • 31134 Versioning now available. Right-click on a project in the file/open dialog – you will be able to choose from previously-saved versions of the project. • 31127 2012 calendars made visible to YearbookFusion users • 30983 German translation file updated • 30906 Connection Checker updated to reflect new Remote Storage *Mac-specific Fixes* • 31200/31145 Embedded Chromium build causes problems – reverting to previous build • 31245 Training videos open in separate window instead of inside FotoFusion *Gallery Bug Fixes* • 31132 Uploaded Black&White JPGs go missing - fixed • 31143 Ampersands in filenames not handled gracefully - fixed • 31038 Drag/drop from the Gallery to the canvas produces grey frame - fixed • 31033 / 30763 / 30952 –Various Gallery issues - fixed P*ersistence Fixes* • 31148 / 31149 / 30989 / 31097 / 31116 Errors caused by loading local project while remote content continues to download – fixed • 31041 / 31077 / 31080 Re-opened local project shows checkerboard or 0" by 0" page - fixed • 30758 / 30760 Project corruption detected by Remote Storage validation - fixed • 31154 / 31159 Saving during crash restore = project corruption – fixed • 31142 Validation by Remote Storage ignored by client – fixed • 31157 Potentially-missing Images in local project not reported to user – fixed • 31098 Local PSPA cache corruption - fixed • 31161 Lingering reference to network drive leads to corruption after crash restore - fixed • 31055 Saving project with PSPA database to Remote Storage fails – fixed • 31214 Saves to a restored archive are lost – fixed • 31174 Crash restore not restoring clip art - fixed • 30419 Saved projects now include all font information *Yearbook fixes* • 31302 / 31228 'Renumber Frames' option for Yearbook projects causes issues - fixed • 31204 Relinking multiple database image to same image produces trouble. Fixed. • 31205 Adding an already-in-the-database image to the database produces odd results – fixed • 31217 Panel reports error after crash restore – fixed • 31152 Mattes not available for panel pages - fixed • 31195 Changes to PSPA database not marking project as modified – fixed • 31257 Panel images have improper aspect ratio after loading from RS on a mac - fixed • 31101 Fields from old database visible after new PSPA project started - fixed *Stabilization – Fixes for freezes and crashes when:* • 31185 / 31155 Opening a project • 31173 Saving a project • 31251 Existing after editing a large project • 31203 Editing a panel • 31162 Launching FF by double-clicking on local project when crash restore present• 31197 Switching to manual mode on panels • 31194 Opening the gallery hover • 31090 Appending a project • 31256 Loading project from Remote Storage and changing panel row/column count • 31260 Populating panels • 31071 Loading from RS • 31273 Drop a smart frame on a panel • 31306 Flipping between pages in large network-drive-based project • 31136 Adding a page then hitting undo *General Bug Fixes* • 31201 / 31202 MultiSelection in File > Open and File > Append now disabled • 30805 / 30961 Rendering prevented due to "clipped text" – fixed • 31181 Number of backup versions in project files clamped to prevent bloat • 31326 Javascript error on Homezone startup with ctrl or shift key held down - fixed • 31093 "DoubleClick to change" appearing in rendered output - fixed • 31151 Support-specific contextual menu not opening correctly – fixed • 31094 Updates occasionally downloaded twice and applied the second time - fixed • 27587 A single frame can be grouped – fixed • 31262 Grouping disabled when less than 3 images are selected - fixed • 31212 'Change order' cando is ignored - fixed • 31164 XML upload manifest shows pages appearing in cover PDFs – fixed • 31091 FullScale projects load as 'modified' by default – fixed (released Dec 23 2011)

Version 5.0 (build 79763) *YearbookFusion and v5 [Mac]* • New / Updated Form Factors: 30748 Blurb, 30749 Zookbinders, 30774 Hi tech Pro Labs *Mac* • 30969 Progress bar added to startup to show progress when building font list • 30841 Freeze when editing legacy text – fixed • 30985 Font preview breaks when a non-readable font is encountered - fixed • 30972 Exiting is very slow when a large number of fonts are installed – fixed • 30999 Big performance increase (align to 16-bit word boundaries) • 30953 / 30980 Mac installer shows FotoFusion icon in strange place - fixed • 30276 Remove frame highlighting on rollover for performance - fixed • 30958 FotoFusion will not launch after clean install – fixed • 31057 Frequent crashing on mac when clicking on canvas – fixed • 31019 FotoFusion menu not visible after Crash – fixed *Project storage bugs* • 30937 Data loss after save to Remote Storage - fixed • 28231 Error when saving Remote Storage project locally – fixed • 30926 Memory leaks – fixed • 30978 Database not saved correctly after very large PSPA import - fixed • 30760 Project not passing Remote Storage validation – fixed *Yearbook Gallery* • 29802 Double-click selects folder behind upload window – fixed • 29804 Error message when uploading images with 'gray' color space to gallery - fixed • 30704 TIFs appear as blank thumbnails in Gallery – fixed • 30935 Only publishers should be able to delete gallery content - fixed • 30934 Thumbnails not generating for just-uploaded images – fixed • 30827 Upload to gallery failing - fixed • 30867 Scalability of Gallery – handle large number of schools - fixed • 26038 Changing directory now disabled if Gallery upload is in progress • 30479 Error message and empty frame after dragging a new image to Gallery and then to canvas – fixed *Rendering* • 30709 / 30955 Error about clipped text when Rendering / Uploading to publisher - fixed • 30897 "Double-Click to Change" for non-edited text frames appears in rendered output – fixed • 30794 Drag PDF to canvas, render = error about missing image – fixed • 30992 Text from Remote Storage projects not appearing in rendered output - fixed *Adoption of HTML5 for internal dialogs* • 30422 Names of large number of multi-selected files truncated by Chromium path - fixed • 29552 Upgrades page internals updated • 31018 Crash when playing Videos on MAC – fixed Fixes for Crashes & Freezes when… • 30994 Opening a RS project • 30836 Migrating RS2011 Projects to RS2012 • 31005 Double-clicking on Tags • 30822 Working with corrupted PDF DLL • 30975 / 30951 / 30971 Working with large numbers of installed fonts • 30931 Dragging a local graphic from Organizer to Create tab • 23141 Importing a 4000 student PSPA database • 30940 Saving Project after Reconnecting images • 30941 Saving to Remote Storage • 30755 Loading and SaveAs back to Remote Storage • 30907 Saving / loading project from Remote Storage on different machines • 30904 Opening a project from Remote Storage • 30852 Saving to Remote Storage • 30830 Resizing text in resize-to-fit mode • 30888 Going from online to offline while downloading store content • 31028 Cancelling Windows shutdown • 31014 Reflowing panels Minor fixes • 29954 Form factors are locked when choosing 'custom' from HZ • 27990 List of pages about to be deleted presented in odd order – fixed • 31003 Preview of PSD & PDF output now shows bitmap at final resolution • 31000 Handles not appearing on multiple selection - fixed • 30930 Disabled Controls get re-enabled without a reason - fixed • 23153 Importing PSPA does not create folder - fixed • 30209 Choosing unsupported font for panel header changes font for header and label - fixed • 30782 / 31006 / 28944 Text tags appear empty instead of 'not available' - fixed 30967 / 29757 / 29499 Import PSPA (released Dec 07 2011)

Version 5.0 (build 79383) *YearbookFusion and v5 [Mac]* • New Form Factors: 30769 Millers/ Mpix, 30768 Bay Photo, 30813 Bridgeport, 30751 Finao *Features* • 29550 2012 calendars *Bug Fixes* • 6895 Stop Button on some progress bars doesn't work - fixed • 29581 Project saved in older build will not open in newer builds – fixed • 28230 Updating fails with notice about failed system requirements test – fixed • 30379 Panels with knocked-out images reflow differently after crash & restore – fixed • 30358 Empty pages created after crash & restore - fixed • 30354 Row/column count changes after crash & restore – fixed • 30346 New Student appearing in panel until priority set – fixed • 30220 Installation occasionally fails on a mac – fixed • 30559 Form factors offered after reactivation don't reflect new publisher association – fixed • 30824 Generic form factors offered instead of correct publisher association – fixed • 30834 Locks on Remote Storage Projects not removed even after closing project - fixed • 29596 Warning about clipped text – fixed • 30828 Image page file use optimized • 30650 Videos keep playing even if Home Zone is opened • 4249 Some images can be dragged off the web, others cannot - fixed • 27025 Candos do not set 'needs to be saved' state for project - fixed • 30896 Fonts saved to a Remote Storage project do not load in build 79262 - fixed *Freezes / crashes* • 30899 Swapping windows user accounts without quitting FotoFusion produces instability – fixed • 29666 Command-Q / Quit from menu does not quit - fixed • 30865 Crash when changing frame properties - fixed • 30581 Freeze when playing videos on Mac - fixed(released Nov 21 2011)

Version 5.0 (build 79116) *YearbookFusion and v5 [Mac] Features* • 29586 Ability to autopopulate by database fields added *Bug fixes* • 29591 Javascript error in Home Zone if form factor list is empty - fixed • 30726 Mattes combo box refreshes repeatedly when editing text properties - fixed • 30783 Text properties not completely updated when images swapped - fixed *Freezes / crashes* • 30701 While manipulating text box - fixed • 30797 When copy/pasting text frames - fixed • 14995 When activating (dialog box opens off screen) – fixed (released Nov 10 2011)

Version 5.0 (build 79069) *YearbookFusion and v5 [Mac] Features* • 30627 Trial installations of YearbookFusion can now create (but not save) yearbook projects • 30229 Exclude-from-rendering Pages now indicated in page hover *Bug Fixes* • 29777 Gallery displays window showing "True or Flse" - fixed • 30645 Yearbook label in videos hover is in wrong place – fixed • 29090 Javascript activation error - fixed • 30011 "Add Images" button in gallery not working - fixed • 29911 Home Zone: news link not configured correctly - fixed • 30469 Forum link should point to forum at LumaPix.com - fixed • 29876 automatic refresh of gallery should happen only when gallery is in use – fixed • 14137 Homezone uses command routing – fixed • 30398 v4 text not updating interactively when edited - fixed • 30777 Spurious "image modified" popup messages after loading – fixed • 27129 Picking up & redropping images into frames with child text holding text tags produces corrupted text – fixed • 30781 Tags not highlighted correctly in editor - fixed • 30706 Edit in External Tool does not prompt to make a copy of the image - fixed • 30255 Edit in external tool doesn't remember list of managed editors - fixed • 1512 PNGs are not editable in external tools - fixed • 30548 Extra process stays active after opening heavy Remote Storage project - fixed • 30778 Crash restore goes into loop / project won't load - fixed *Fixes for Hangs / Freezes when…* • 30028 starting up • 30506 Updating • 30534 Reactivating • 30740 / 30741 / 29207 / 28616 / 30697 opening a project • 30001 general editing • 30481 changing border color • 30426 / 30260 Saving to Remote Storage • 28425 exiting after saving to Remote Storage Mac • 30571 / 30511 Edit In External Tool now functional • 29879 Only some help videos play – fixed (released Nov 08 2011)

Version 5.0 (build 78934) *YearbookFusion and v5 [Mac]* This release fixes several more crashes and freezes. It should also provide a serious performance boost on the Mac, particularly on 8- or 12-core Macs. Crash restore added (if FotoFusion crashes, projects reopen at relaunch). *New Form Factors* • 29872 Leather Craftsmen *New Features* • 30527 / 30545 / 30411 Improved debug info reported to server after crash • 30403 Dependencies on Flash removed - videos now HTML5 Mac Fixes • 30727 Performance boost - Sleep() function replaced • 24493 Support for external editing (e.g. looping through photoshop.exe) restored • 29652 Menu items not working under Leopard : 10.5.8 - fixed • 30584 / 30562 ctrl-q does a sparse auto collage - fixed • 30090 Mixing local & remote saves on a mac produces 'Missing images' warnings - fixed *Fixes for Crashes / Freezes when...* • 30614 / 30590 / 30537 Modifying text • 30580 / 30631 / 29953 Rendering • 30538 Starting multiple instances of FotoFusion • 30490 Launching after Network error • 30428 Migrating projects from RS2010 to RS2011 • 30421 Migrating projects from v4 to v5 • 30578 Opening projects from Remote Storage • 30624 Exiting *Remote Storage Fixes* • 30575 Occasional Invalid Hierarchy error - fixed • 30491 Occasional network errors when loading large projects - fixed • 30576 Occasional Upload error - fixed • 30150 Occasional Error message when loading manually-unlocked project - fixed • 30489 Project listed with serial number instead of name after error - fixed • 30702 Image downscale failure goes undetected when saving *General Bug Fixes* • 30623 / 30629 / 30532 Improvement in memory usage after render • 30611 / 30591 News link in HomeZone not working - fixed • 30290 Copy/Pasted text is sometimes not the same size as original - fixed • 30435 Headers and Labels missing from earlier panel projects - fixed • 30234 Ugly error message when editing image externally, if user account has limited privileges - fixed • 28848 "Exclude" not available from panel context menu - fixed 30625 Corruption of panel project possible after crash happens - fixed • 30203 Crash Restore does not bring back panel population - fixed • 30446 Hard to scroll file/open dialog - fixed • 30632 Frame number tooltips lost after aborted project load - fixed • 30722 Relinking PSPA image causes distortion and then missing image

- fixed • 30723 Project corruption produces duplicate PSPA photos - fixed (released Nov 03 2011)
Version 5.0 (build 78569) *YearbookFusion and v5 [Mac]* Features & Enhancements • 28609 / 29763 / 30392 All dependencies on Flash (videos, gallery uploads) removed • 20965 Font size slider behaves better • 30257 Improved visual feedback identifying pages set to 'Exclude from Render' / 'Exclude from Numbering' • 30223 Vestiges of 'Y:\' removed from browse windows on MAC • 30364 ?Edit in external tool? now working for images in Remote Storage projects Project Persistence • 30246 / 30115 Text in 2010-11 Remote Storage projects appear distorted - fixed • 30351 / 30199 'Modified outside of FF' shown for project restored after crash / saving to Remote Storage • 30140 Projects from 2010-11 Remote Storage load with "missing font" prompts - fixed
PSD rendering • 30009 / 19220 / 28368 / 30414 / 30370 issues with two-page-spreads rendered to PSD - fixed Freezes • 30430 Listing contents of RS folder • 30431 Saving to RS • 29897 Acquiring content rights • 30447 Quickly flipping through pages of RS project • 30429 Closing HomeZone while Search continues in background • 30309 Choosing 'show in finder' in output tab • 30278 Quickly scrolling through Asian font in text editor Optimization for poor network connections • 30434 / 28631 / 28431 working with Remote Storage • 28632 saving locally • 12196 general use • 30496 Flipping pages in Remote Storage projects quickly Mac • 29969 USB devices not shown on Leopard - fixed • 30477 Edit in External Tool causes error - fixed • 30270 Rep-specific demo download link not working from a mac Bug Fixes • 30319 Two scrollbars when opening from 2010-11 Remote Storage - fixed • 30285 Gallery's Add Images button non-functional on XP - fixed • 30268 Error reported when dropping image from gallery - fixed • 30311 Restoring archived project fails on Mac - fixed • 30301 Image flips when zooming into red eye removal - fixed • 30425 zoom/pan not working correctly in matte cutter - fixed • 30214 Cancelling Save Page as template produces warning that save failed - fixed • 30201 Save page as template doesn't seem to save page - fixed • 29898 Save large project as template with photos removed does not remove all photos - fixed • 29020 Startup fails with file permissions warnings - fixed • 30289 Page Numbering in page thumbnails not correct - fixed • 30288 Page numbering not redrawn correctly after changing page type - fixed • 30314 Page numbering not redrawn correctly after disabling / enabling - fixed • 30245 / 30294 Project remains modified after SaveAs - fixed • 30330 Text converted to matte not showing in the matte list - fixed • 30438 Matte list empty - fixed • 28873 Bad canvas refresh - fixed • 30356 Panels not selectable after crash restore - fixed (released Oct 18 2011)
Version 5.0 (build 78252) *YearbookFusion and v5 [Mac] Mac-specific* • 29613 / 30219 Confusing 'Y:\' drive no longer exposed to user • 30078 Help files now working correctly on Mac • 27101 Re-enable External Editor - fixed • 24441 Re-enable Red eye removal - fixed • 25497 Re-enable Matte cutter - fixed • 25736 / 5503 / 16078 Support remote storage for External Editor, Red Eye Removal, and Matte cutter - fixed • 6473 / 11103 / 21025 / 7249 Option added to red eye tool: modify original / create corrected copy • 28132 / 20162 / 25376 / 25498 / 25375 / 25038 / 6822 / 21812 / 21615 / 21617 Minor errors in Red Eye / Matte Cutter / External Editor revealed when re-enabling them • 24463 Editing in external tool doesn't mark RS projects as modified - fixed • 28128 / 28129 Options to Always prompt / Always copy not working for RS files edited in external tool - fixed • 25377 RS images become "blocky" after local editing - fixed • 30233 Icon for 'Edit in External tool' added to toolbox alongside 'RedEye' & 'MatteCutter' • 30235 / 30236 Page & project thumbnails not updated after Editing in External tool - fixed *Fixes for Crashes* • 30117 / 30227 / 30297 / 30323 Freeze when opening 2011 RS project in v5 - fixed • 30277 Hidden dialog makes FotoFusion produce ding when clicked on - fixed • 28613 Crash when rendering - fixed • 30287 Freeze while searching for PSPA files - fixed • 29790 Freeze when browsing Mac folder containing PSD & PDF files - fixed • 30204 Freeze after resaving images modified outside the application - fixed • 30171 Freeze in crash restore - fixed • 29131 Freeze after trying to rename pages - fixed *Automation* 29404 Automation now supports rendering by ObjectID 30248 Rendering under automation blocked by popup dialogs - fixed *Project storage* • 30226 Project corruption - fixed • 18177 Dotscrap content loads blurry - fixed • 30217 Download current page from RS first to improve visual performance • 30016 Error saving to RS - fixed • 30283 Missing fonts after passing project through RS -fixed • 30282 Missing text after passing project through RS - fixed • 30280 Recent edits not reflected in project loaded from RS - fixed • 30291 Can?t save to RS after pasting copy of text frame - fixed • 30339 Project names displayed as serial numbers in RS - fixed • 30317 Missing images after crash restore - fixed • 30296 Page properties (do not render) not surviving crash restore -fixed *Bug Fixes* • 30286 Cannot close gallery tab - fixed • 30242 Tapping F5 key causes missing image notices on current page - fixed • 30292 UI blocks if fonts missing from project downloaded from RS - fixed • 30333 FF not restarting automatically after activation - fixed • 27924 Text clipped after reloading from RS, even if set to resize to fit - fixed • 30182 Page numbering showing on Cover after crash restore - fixed • 30266 Extremely noisy fonts result in silent failure when rendering to PDF - fixed • 30281 Memory usage rises when flipping through fonts in text editor - fixed • 30198 Background image moves when zooming - fixed • 28898 Text renders slightly differently in PDF than on-screen when interline spacing changed - fixed • 30279 Odd behavior when pressing undo after crash restore - fixed *Internal Tools* • 30388 Improvements to Service Health monitoring (released Oct 05 2011)
Version 5.0 (build 78060) *YearbookFusion and v5 [Mac] New Features* • 24102 Image Locator shows more information when helping user locate missing images/fonts • 29584/30131/30145 Crash restore now restores PSPA database *Bug fixes* We have isolated the cause of unexpected failure of the software in several circumstances: • 30065 Crash when showing image hover containing multiple large PDF files - fixed • 30097 Crash while opening RS project - fixed • 30166 Crash when reloading project from RS after crash - fixed • 30098 Crash when using "apply" or "append" from gallery scraps - fixed • 30099 Crash when resizing canvas to fit when canvas is empty - fixed • 30120 Crash when marquee selection attempted during project load from Remote Storage - fixed • 30124 Crash when previewing canvas images - fixed • 23739 Crash when changing rows/columns number in all panels- fixed • 20165 Crash after undoing resizing, crop or move - fixed • 29684 Crash when restoring project after crash - fixed • 30164 Crash when loading from RS - fixed • 30178 Crash after restoring unsaved project - fixed *Undo* Several issues with the Undo mechanism have been fixed in this build: • 20056 Undoing the deletion of a page produces overlapping panels - fixed • 30155 Undo duplicates or deletes project - fixed • 15121 Undoing autojumble leaves one element behind - fixed • 16600 Undo doesn't preserve relative order of frames - fixed • 18398 Undo doesn't work on grouped copy/paste - fixed • 20061 Undo of paste operation produces scrambled result - fixed • 4545 Undo of matte operation doesn't work - fixed • 27654 Undo loop after creating new project - fixed • 30114 Undo removes canvas image after loading from remote storage - fixed • 30108 Undo produces missing images - fixed • 27695 Undo of template appending cannot be redone - fixed *General Bug Fixes* The following bugs were fixed: • 27668 Restored archives appear empty - fixed • 29968 Font files renamed from TTF to DAT - fixed • 30070 JPEG images corrupted during upload to Remote Storage - Fixed • 4626 'Used in canvas' checkbox not updating correctly - fixed • 30067 V5 YearbookFusion trial shows no templates available - fixed • 30116 Numeric input into text box ignored - fixed • 30105 Permissions errors when uploading project after crash - fixed • 30115 Text drawn clipped / wrong aspect ratio - fixed • 30170 Panel frames empty when looping from PC to Mac to PC - fixed • 30172 Image frames empty when looping from PC to Mac to PC - fixed • 30134 Missing images when loading RS2011 projects into v5 - fixed • 30129/29010 Changing languages deactivates software - fixed • 29843 Frame rotates when trying to resize text using ctrl-shift-, - fixed • 30154 Version number not relevant to YearbookFusion users - fixed • 29754 Improvements to Project repair mechanism • 29868 Text edit doesn't scroll if you drag selection or roll mousewheel - fixed • 29986 Homezone reports error on some machines - fixed • 30069 Error when saving to RS after duplicating content - fixed • 30169 PSPA images showing up as page thumbnails - fixed • 29834 School database thumbnails appear in frames/papers hover - fixed • 30075 Mac installation requires reactivation - fixed • 30184 Content sometimes blurry when loaded from Remote Storage for first time - fixed • 24444 Panel page converted from side to two-page spread - fixed • 27160 Project password protection improved • 25858 Password protection not working for RS projects - fixed • 23260 Knockouts in panel pages not flipping correctly when new pages are inserted - fixed • 23678 Merged pages not showing chapter indications correctly - fixed • 30168 Panel frames sometimes appear empty when loading from RS - fixed • 4665 Conflicting Rep Preferences handled better • 30100 Improvements to logging • 29399 Server ping when rendering - fixed • 30154 Yearbook/Composite licenses now correctly ignore version number for activation • 20323 Projects in Remote Storage remain locked after a crash - fixed • 30076 Error when saving to Remote Storage - fixed Crash Restore • If FotoFusion should crash while you are working, ?crash restore? attempts to reload the project when FotoFusion restarts. (released Sept 27 2011)
Version 5.0 (build 78252) *YearbookFusion and v5 [Mac] Mac* • 29613 / 30219 Confusing 'Y:\' drive no longer exposed to user • 30078 Help files now working correctly on Mac • The return of "edit in external tool" • 27101 Re-enable External Editor - fixed • 24441 Re-enable Red eye removal - fixed • 25497 Re-enable Matte cutter - fixed • 25736 / 5503 / 16078 Support remote storage for External Editor, Red Eye Removal, and Matte cutter - fixed • 6473 / 11103 / 21025 / 7249 Option added to red eye tool: modify original / create corrected copy • 28132 / 20162 / 25376 / 25498 / 25375 / 25038 / 6822 / 21812 / 21615 / 21617 Minor errors in Red Eye / Matte Cutter / External Editor revealed when re-enabling them • 24463 Editing in external tool doesn't mark RS projects as modified - fixed • 28128 / 28129 Options to Always prompt / Always copy not working for RS files edited in external tool - fixed • 25377 RS images become ?blocky? after local editing - fixed • 30233 Icon for 'Edit in External tool' added to toolbox alongside 'RedEye' & 'MatteCutter' • 30235 / 30236 Page & project thumbnails not updated after Editing in External tool - fixed
Fixes for Crashes • 30117 / 30227 / 30297 / 30323 Freeze when opening 2011 RS project in v5 - fixed • 30277 Hidden dialog makes FotoFusion produce ?ding? when clicked on -fixed • 28613 Crash when rendering - fixed • 30287 Freeze while searching for PSPA files - fixed • 29790 Freeze when browsing Mac folder containing PSD & PDF files - fixed • 30204 Freeze after resaving images modified outside the application - fixed • 30171 Freeze in crash restore - fixed • 29131 Freeze after trying to rename pages - fixed *Automation* • 29404 Automation now supports rendering by ObjectID • 30248 Rendering under automation blocked by popup dialogs -fixed *Project storage* • 30226 Project corruption - fixed • 18177 Dotscrap content loads blurry - fixed • 30217 Download current page from RS first to improve visual performance • 30016 Error saving to RS - fixed • 30283 Missing fonts after passing project through RS - fixed • 30282 Missing text after passing project through RS - fixed • 30280 Recent edits not reflected in project loaded from RS - fixed • 30291 Can?t save to RS after pasting copy of text frame -fixed • 30339 Project names displayed as serial numbers in RS - fixed • 30317 Missing images after crash restore - fixed • 30296 Page properties (?do not render?) not surviving crash restore - fixed *Bug Fixes* • 30286 Cannot close gallery tab - fixed • 30242 Tapping F5 key causes missing image notices on current page - fixed • 30292 UI blocks if fonts missing from project downloaded from RS - f ixed • 30333 FF not restarting automatically after activation - fixed • 27924 Text clipped after reloading from RS, even if set to resize to fit - fixed • 30182 Page numbering showing on Cover after crash restore - fixed • 30266 Extremely noisy fonts result in silent failure when rendering to PDF - fixed • 30281 Memory usage rises when flipping through fonts in text editor - fixed • 30198 Background image moves when zooming - fixed • 28898 Text renders slightly differently in PDF than on-screen when interline spacing changed - fixed • 30279 Odd behavior when pressing undo after crash restore - fixed
Internal Tools • 30388 Improvements to Service Health monitoring • 30228 / 30092 Very short userIDs handled more gracefully (released Sept 21, 2011)
Version 5.0 (build 77770) *YearbookFusion and v5 [Mac]* The official build for the start of the school year for YearbookFusion. The most important thing about this build is how it talks to Remote Storage: This is the day when Remote Storage users will get access to the newest version of RS: it's faster, working off caches. *Improved Remote Storage Performance* • 30057 Go live with RS2011-12 • 29623/30017 Images not uploaded if already present in cloud • 29963 Amount of information sent to cloud reduced

considerably *Features* • 29959 Form factor for HP MagCloud added • 29962, 29951, 29743 - Form factors updated for specific publishers *Bug Fixes* • 29937 Activation glitch related to trial YearbookFusion installations • 30015 Occasional crash when inserting/appending project - fixed • 29948 Activity when FotoFusion is minimized has been reduced • 30000 Issues with projects saved for crash restore - fixed • 29990 Corrupted project saved to Remote Storage - fixed *Usability Enhancements* • 29869 Better status in progress bar when loading template •29715 Remember last-used folders for PSPA import and image save *Mac-specific* • 29761 Multiple internal drives not listed under devices in file browser - fixed • 30010 Delay in showing images in Locate Missing Images UI - fixed • 29806 Dragging a font into the canvas sets the default font for new text frames - fixed • 29866 The Image Hover now shows the desktop by default (not user\documents\my pictures) • 29864 Hard to pan canvas? pan handle appears and disappears (Lion only) - fixed • 29317 Using '.' rotates text by 45 degrees when caps lock is on using external keyboard - fixed • 29829 Frames move when clicked on (Lion only) - fixed • 29503 Devices not listing correctly in the Images Hover folder tree list - fixed • 29942 Menu items not working (OSX 10.5.8 & 10.6.8 only) - fixed (released Sept 15 2011)

Version 5 Mac Beta (build 77558) *YearbookFusion and v5 [Mac] Resolved Bugs* • 29617 Restoring a PC archive on a Mac produces error messages – fixed • 29885 Saving to Remote Storage disabled on Mac YearbookFusion build until RS2012 ships on Sept 15th • 29808 Images missing on Mac after loading from Remote storage – fixed • 29842 Text not editable if all text selected – fixed • 29792 Two clicks required to open image or frame editor - fixed • 29384 / 29413 / 29793 - Help videos not playing - fixed • 29929 Frames dropped onto images are not applied - fixed • 29828 Command-clicking on frames moves them slightly - fixed • 29771 Color picker not working on mac – fixed • 29819 Delete key occasionally does not delete the selected item – fixed • 29865 Hit testing region on text is misaligned with visible text - fixed • 29858 del key not removing image from dropper - fixed • 29797 Home Zone not closing after choosing a template – fixed • 29415 unhelpful contextual menu on videos turned back off again • 29860 Bad refresh when new pages added – fixed • 29389 / 29688 RepID=<rep> mechanism now associating rep IDs with installer on Mac DMG *(released September 6, 2011)*

Version 5 Mac Beta (build 77370) *YearbookFusion and v5 [Mac]* This is a minor stabilization release. This build fixes a bug in the installation process (one that prevented update mechanism from working). *Resolved Bugs* • 29666 / 29877 Command-Q or Quit from menu does not quit FotoFusion [Mac only] - fixed • 29786 FotoFusion freezes on exit [Mac only] - fixed • 29774 Looping update [Mac only] fixed •29801 Activating certain Mac build as v5 Extreme produces error - fixed (other internal testing issues resolved) *(released August 29, 2011)*

Version 5 Mac Beta (build 76942) *YearbookFusion and v5 [Mac] Resolved Bugs* • 29654 Publish a tool that cleans the WINE bottle to streamline support • 29434 Mac crash on hovering or hitting buttons to open smart frames, settings or papers • 29630 Cannot browse for images in autocollage wizard *(released August 13, 2011)*

Version 5 Mac Beta (build 76930) *YearbookFusion and v5 [Mac]* This is a stabilization release, which polishes the Mac integration and lays the framework for a composite toolset.

Features • 29519 / 29539 Crash restore (FotoFusion will attempt to restore your project after a crash) • 27245 - 27790 - 27885 - 27871 - Improved PDF text rendering (underline & superscript as vectors) • 26537 – Local projects can be manually unlocked in the file browser • 17998 / 28010 / 28848 / 29332 - Context menus & Tool menus redone for consistency • 26209 / 26692 – Rich text can be converted to a matte / have matte applied • 29385 - Localization package for translators updated to v5 • 28448 - Support for tabs / tab stops added to text *Mac-Specific* We focused on improving the Mac V5 Beta in this release. • 29622 / 20480 – Occasionally, very very slow startup – fixed • 29129 - External drives not shown consistently - fixed • 28707 - ctrl-click should open context menu - fixed • 28894 - ctrl vs. command accelerator key cleanup – brought into alignment with Mac expectations • 29343 – Very slow to open Images hover - fixed • 29459 – Image hover empty under Lion - fixed • 29483 – Crash when clicking arrow in image hover under Lion - fixed • 29609 - Numeric control not catching '.' (can't enter 8.5 as canvas size) - fixed • 29610 - Text in numeric control getting selected & deleted as you type - fixed • 29614 -.zip, .doc, .zip files treated as folders - fixed • 29136 - Show Mac-friendly file system for file/open & file/save • 24635 - PSPA import file browser • 28675 - 'locate missing images' tree • 29612 - expose mac drives directly under 'devices', not under 'drives' - fixed • 29351 – Typing 'enter' closes Slider but acts like cancel - fixed • 29366 – "Locate missing images" browser reveals only scrap files instead of images - fixed • 29422 – Projects sometimes invisible after saving into My Collages - fixed • 29283 - Cannot import PSPA photos to default location - fixed • 29219 – Significant lag for text tag menu to appear - fixed • 29164 - Python errors on application startup - fixed • 29123 - File/Save is not pointing at any folder - fixed • 29616 - a for aspect ratio not working on Mac - fixed • 29191 / 24629 - "ICC Profile is not valid" error message when rendering to PSD - fixed • 29425 - Frame border color not refreshing in dialogs - fixed • 29445 – Dragging pages in page hover adds new pages – fixed • 29448 – Page numbers not updating correctly when moving pages - fixed • 29462 – Font list shows black boxes for some fonts – fixed • 29595 – Focus issue preventing editing text with double-click - fixed *Support for tasks/Composite function* This release includes building blocks that will support a future "school composite" toolset: • 29393 / 29392 / 29395 / 29400 - Support for tasks added ("I am building a composite" vs "I am building a yearbook") • 28325 / 28579 / 29522 / 29566– Cleaned up support for custom database fields • 29399 / 29568 – Render counting • 29390 – YearbookFusion "runs on fuel" (needs active school or composite task to function) • 29029 - Expose project-level custom tags • 28203 - Support for Organization name as project-level attribute • 29497 / 29501 / 29536 / 29546 – other infrastructure *Minor usability tweaks* • 5620 / 29523 - Recent Projects list tidied up in Home Zone & File Menu • 29354 - Double-clicking on an Index.txt file in PSPA import dialog now opens it • 29365 - Project name is now default archive name • 28835 – ctrl-del now deletes multiselection in pages hover • 28449 - Home / end / arrow keys now go to start/end of text selection • 28488 – Improved message shown for the "missing font" dialog • 29034 – Occasional crash when loading project over existing project - fixed • 26664 - Editors now close only when the selection changes to incompatible object *Stabilization* • 27882 – Improved validation when rendering to file • 29345 - Freeze / stuck downloads when loading store templates - fixed • 29553 - Connectivity test incorrectly reports problems - fixed • 29619 - Crash on merge - fixed • 29642 - Looping crash on a Mac - fixed • 29639 - Occasionally crash when right clicking on canvas background - fixed • 29086 – Occasional crash after creating & applying presets – fixed • 27356 - Crash when rendering PDF to full hard drive – fixed • 29361 – Occasional crash when appending Remote Storage projects - fixed • 29382 – Occasional crash when opening a kit - fixed • 29307 / 29322 - Crash while archiving a project - fixed *Fixes to update mechanism* • 29225 - No message shown when checking for a new version - fixed • 29280 - "Access is denied" while installing update - fixed • 29353 – User is now told when update download completes (if they manually checked for updates) • 29372 - Update failure if new version is published while the app is running - fixed • 29375 - Collage.exe error on uninstall in windows - fixed • 29592 – Permissions error when taking new build on Mac - fixed • 29408 - Panel button not added to UI when activating as YearbookFusion user – fixed *Text* • 29530 – Occasional crash when changing multi-font text fill or outline color - fixed • 29537 - Blur effect on Text is not restored after a crash - fixed • 29585 - Swapping images doesn't refresh all tags in child text - fixed • 25719 – ' =' command not working for text - fixed • 27284 - Cursor cannot be positioned between two consecutive tags - fixed • 27285 – Font used for tags lost after save / reload - fixed • 27417 – 'Highlight tags' checkbox doesn't stay checked - fixed • 27477 / 27873 / 28155 – Customer-specific text issues - fixed • 29631 / 29636 - Changing text Fill color occasionally changes outline color - fixed • 27547 / 28312 – Text incorrectly sized when 'old' templates loaded - fixed • 27981 – False positive warnings about 'text outside the frame' when rendering to PDF – fixed • 27988 – Silent failure when loading project created with text frame created by dragging font into canvas - fixed • 28066 - Line breaks after text contents not working correctly - fixed • 28261 – Text not appearing on canvas at load time - fixed • 28267 – Old projects claim that Arial is missing – fixed • 28417 - Missing font reported, when it is not missing - fixed • 28530 – Issues with text presets / factory presets – fixes • 28541 - Last character in italic / bold text sometimes cropped against text frame - fixed • 28591 - Setting text as bold produces odd black mark - fixed • 28625 – Dragging on 'T' in toolbox does not trigger resize to fit - fixed • 28730 - Text not resizing correctly - fixed • 28918 - Text properties changed after copy/paste - fixed • 28744 - Text alignment reset after inter-line spacing is modified - fixed • 29037 - Copy/paste affects inter-character spacing - fixed • 29078 - Center-aligned text is not center-aligned under certain circumstances - fixed • 29093 - Text isn't correct size after undo - fixed • 29176 / 29268 - Fonts appear as arial - fixed • 29300 – Bad refresh after saving text presets - fixed • 29304 - Canvas text is drawn without anti aliasing- fixed • 29330 - Kerning in PDF vector output improved • 29429 - Text on frame not resized correctly when using snappers in ruler - fixed • 29471 / 29409 - Some fonts do not work in panels – fixed • 29472 - Text does not resize to fit when canvas is resized - fixed • 29565 / 29573 - Text not updating in response to color controls - fixed • 29596 – Odd warning when rendering about text not fitting within boundaries – fixed *Rendering* • 28278 – Rendering can now proceed if fonts are missing for pages other than the one being rendered • 25148 – Rendering doubles separately fails occasionally – fixed • 26136 - Rendering to PDF when offline produces stuck 'items pending' overlay - fixed • 26671 - PDF rendering error in Portuguese version – fixed • 26714 – Render over open PDF detected earlier • 26743 - Outline not drawn in PDF when text fill is transparent - fixed • 27872 / 27972 – Text rendering issues - fixed *Project storage* • 28627 – Optimizations to persistence structure ("Raw Scraps" removed) • 29580 - Unable to save to Remote Storage - fixed • 23632 – Appending projects with databases to projects with databases is now prevented • 29582 – Issues when opening a project from Remote Storage and saving it locally - fixed • 29598 – Issues when restoring archive - fixed • 25858 - Password protection broken for RS projects - fixed • 27263 - Deleting local cache of Remote Storage folder produces blurry content - fixed • 27295 - ImageName Tag displays incorrect content after Archive & ReStore - fixed • 27659 – Performance improvements in Undo related to serialization • 9356 / 29363 – Occasional failure when archiving large RS projects - fixed *Form Factor* • 26592 - Form factor definitions changing without publisher action - fixed • 28586 – Form Factor now conformed if Publisher disables customization • 29348 – Default form factor specified by publisher working correctly• 29331 - User can't modify default 10x10 album in new/custom - fixed • 29337 - Pick template, pick form factor: form factor is not applied – fixed *Panels* • 29641 - Panel hover "apply" is disabled after PSPA import - fixed • 29535 – Panel occlusion not working as expected - fixed • 19711 / 29521 - Mostly-empty panel doesn't behave when choosing alignment = centered - fixed • 23093 - Changing panel frame alignment to 'center' should set last row alignment to center as well - fixed *General* • 19819 – Composition now resizes to fit safe area when canvas resized • 29277 – Undo skips blur effect on text - fixed • 29513 – 29508 - Start Here Window does not close after opening a project - fixed • 29518 - Javascript error message when cancelling Auto Collage project creation - fixed • 29526 - Undo occasionally does not respond - fixed • 29548 - "Goto Page" key shortcut (Ctrl-Shift-N) opens Start Here window instead - fixed • 23286 - Export used images produces empty list - fixed • 25225 – Share by email - attach original images not attaching them – fixed • 27990 – Warning about removing multiple pages not listing the pages in order – fixed • 29496 - Canvas size dialog occasionally reports width and height of 0 – fixed • 28600 – Publisher rendering preferences now correctly reflected in client software • 28989 - Colors not refreshing in color chips when color edited - fixed • 29541 - Copy Settings to All Frames fails occasionally – fixed • 10801 – Issues when reverting smart frame to regular frame - fixed • 26842 - Custom mattes not showing in matte list - fixed • 29640 / 29646 - Can't set Canvas color to black - fixed • 28680 / 28384 - Page numbering custom text is not updated if the Appearance is modified - fixed *(released August 11, 2011)*

Version 5.0 (build 76764) *YearbookFusion and v5 [Mac]* Minor stabilization release *(released August 4, 2011)*

Version 5.0 (build 76407) *YearbookFusion and v5 [Mac]* This is the first release of FotoFusion v5. It's available only to Mac users; support for the Mac is one of the most important features, which we want to support with additional new features before removing the Beta tag and making the software available on the PC side as well. *New features include:* • Mac Support: FotoFusion now runs on any Intel Mac running Leopard, Snow Leopard, or Lion. • Text: In-canvas WYSIWYG editing / Per-character text attributes / Text effects (blur, emboss, inner shade, etc) / Text in shapes (diamond, circle, etc) • Output: PDF export now supports layers and vector text • Editing: Layout Mirroring / Text Search - find text anywhere in the project • User Interface: Completely rebuilt Home Zone / Rebuilt contextual menus • Stability and speed: Two years of polishing performance and stability from YearbookFusion now available in the FotoFusion product. *(released July 22, 2011)*

PRE V5 UPDATES

Version 4.7 (build 74706) Bug fixes • Flattened projects uploaded ignoring publisher's "render double pages separate" preference. Fixed. [28563] • Rendered output contains pages that do not conform to Form Factor. Fixed. [28491] • Appending projects with a different form factor now correctly conforms the appended project. [28573] [28583][28564] • Some Page Descriptors not available to users under certain circumstances. Fixed. [28560] • Occasional blurry content in renders. Fixed [26355] [26651] • Fonts refresh on canvas. Fixed [28582] • Preferences in RepAdmin occasionally not reflected in client software. Fixed [28588] *(released May 11, 2011)*
Version 4.7 (build 74560) *Bug fixes* • Under certain conditions, panel header shows "Con't" in first panel. Fixed. [28498][28499] • Optimization of panel updates. [28503] • Rendering project from Remote Storage produces incorrect warning about missing images. Fixed. [28525] • Publisher's preference for crop marks in rendered output ignored. Fixed. [25938] *(released May 5, 2011)*
Version 4.7 (build 74519) *Bug fixes* • "Invalid Hierarchy" or "Structural Error" reported to user when saving RS project. Fixed. [26784] [28516] [28520] *(released May 3, 2011)*
Version 4.7 (build 74417) *Bug Fixes* • Extremely slow loads from Remote Storage. Fixed. [28487] [2841] • Random crash. Fixed. [28483] • Text occasionally missing from printed output. Fixed. [28411] • Cropping on externally-edited images lost upon returning to FotoFusion. Fixed. [28441] • Unnecessary panel error message removed [28444] • "Missing font" dialog updated [28493] • Network drives considered local if not mapped to a drive letter. Fixed. [28515]
New Features • Recovery mechanism for corrupted projects added [28486] • Panel layout performance optimized [28446] • Online status validation improved [28433] *(released April 28, 2011)*
Version 4.7 (build 74029) *Features* • Optimization of gallery – performs faster & doesn't hang with very large galleries. [28317] • Missing fonts detected & reported to user [28293] • Easier to control row/column count with new control in panel editor [28195 / 28022] *Bug Fixes* • Crashes fixed [28327/28321/28343/28337] • Occasional freeze at startup. Fixed. [28298] • Crash when doing manual knockouts with specific page sizes. Fixed. [28235] • Occasional freeze at render time while waiting for download. Fixed. [28300] • Fonts occasionally going missing when loading from RS and saving locally. Fixed. [28301] • Text not rendering correctly in PSD output. Fixed. [28339] • Zero-width frames make renderer freeze at output time. Fixed. [28222] • Appended project occasionally appears blurry. Fixed. [28262] • Content from Remote Storage appears blurry when loading after crash. Fixed. [28288] • Printing project from Remote Storage fails unless each page is visited first. Fixed. [28223] • "Waiting for items" appears in rendered output under certain circumstances. Fixed. [28308] *(released April 13, 2011)*
Version 4.7 (build 73728) • Warning about low-res content when rendering right after loading from RS. Fixed. [28240] • Have unsaved project. Start loading a new one. Cancel do you want to save. Choose save as. Result: potential corruption. Fixed. [28224] *(released March 31, 2011)*
Version 4.7 (build 73647) *We found and fixed a fairly important bug related to memory usage; several seemingly unrelated problems should now be resolved at the same time. This release fixes the following bugs:*
• Double-clicking on local project while completing save to Remote Storage produces empty frames in local project. Fixed.28163 • Saving a local project on top of an existing local project produces empty canvas and locked project. Fixed. 28169 / 28170 • Occasional issue with panels disappearing due to missing groups. Fixed. [28175] • Panel labels sometimes show up as 'bold'. Fixed. [28181] • Removing all members from a group produces errors on reload. Fixed. [28174] • Freeze when opening project with missing images. Fixed. [28180] • "Save As" over existing projects disabled (to avoid user error reported by many schools). [28183] • Central memory issue responsible for project corruption / failed renders in high-volume workstations. [28194] *(released March 28, 2011)*
Version 4.7 (build 73528) FotoFusion can be executed from USB drives on systems with Admin restrictions • rendering to PDF gives errors (about disk failing?) [28134] • png, gif, tiff saved to RS display transparency as black (some users only) [27145] • Scary error message when clicking on page thumbnails. [28135] • PDF renders with first student after header (in z-order) missing. [28121] • Data Loss - BG and DS Content comes missing with Checkerboard after appending. [28151] • Projects with unpurchased content cannot be render as PD.F [28150] *(released March 23, 2011)*
Version 4.7 (build 73317) *Bugs fixed* • Validation of the project at render time as been increased • A new error message alerts users with broken panels to the existence and extent of the problem [28117] • Auto-Update now downloads the updater.exe into the app folder instead of the data folder [28115] • Hidden Panels cause errors at load time [28053] • Cont'd in Header Text appended too many times [28062] • Pages not marked as 'dirty' after changes to panels [28092] *New features* • Dragging 'frame width' control in panel editor now behaves more smoothly [28114] • Page breaks now offered as a global option in the simple panel editor [27553] • User warned that manual-mode panels will be reflowed if automatic mode selected [28021] *(released March 14, 2011)*
Version 4.7 (build 73235) • Themida.exe - GDIPLUS.DLL not unpacking when installing on 'clean machines' hence FFProc.exe won't execute**.** *(released March 10, 2011)*
Version 4.7 (build 73069) *New Features* • 'Support' button restored to more visible place in UI z Panels are now 'un-selectable' in manual mode unless selected via Tree Hover. [27997] • Improved caching / performance for RS [27940] • Add 'show crop marks' option in RepAdmin upload preferences [24449] *Bugs Fixed* • 'FotoFusion can't save to RS' error. Fixed. [27973] • FotoFusion stays stuck on "Opening Project - Loading page 1 of xxx". Fixed. [27970] • Inconsistencies noted in projects during validation phase of save to Remote Storage. Fixed. [27933, 27932, 27931] • Auto-Flipped panel causes reversal of alphabetical order. Fixed. [27857] • Panels scrambled. Fixed. [27951, 27993] • Panels shift when groups re-ordered. Fixed. [27955] • Message "Encountered unacceptable PicInfo type". Fixed. [27774] • Freeze when browsing project or adding new page. Fixed. [27987] • Top level gallery folder doesn't load. Fixed. [27977] • Crop marks are appearing on output from user. Fixed. [27892] *(released March 3, 2011)*
Version 4.7 (build 72828) • Autoflip pages no long back on automatically [27880] • FotoFusion refuses to start following update on XP machine because SP3 is not installed [27938] *(released Feb 21, 2011)*
Version 4.7 (build 72732) *Feature enhancements* • Support for Undo has been re-enabled • Rich Text support Tags • Improved handling of unstable internet connections • Improved scroll bars in hovers • Auto update now silent until update is fully ready for install • More contact info requested when starting Remote Storage sessions Bug Fixes • Many fixes to improve stability and reliability. *Cases resolved* [165 1080 1407 1680 4138 7859 9677 13145 14705 15752 16225 17064 18027 20323 20333 20791 21049 21145 21239 21263 21370 21614 21763 21884 21885 21910 21915 21939 21953 22154 22159 22163 22199 22259 22272 22284 22288 22290 22305 22340 22366 22385 22402 22470 22497 22510 22526 22552 22593 22596 22603 22616 22619 22621 22643 22721 22911 22931 22953 23025 23028 23036 23041 23050 23067 23068 23085 23088 23102 23103 23110 23111 23162 23175 23185 23195 23205 23227 23245 23252 23263 23288 23293 23301 23315 23324 23327 23331 23339 23340 23364 23376 23391 23399 23400 23402 23405 23406 23410 23442 23466 23479 23520 23525 23526 23527 23529 23540 23547 23554 23561 23567 23604 23616 23620 23621 23624 23646 23648 23653 23655 23664 23668 23669 23680 23681 23682 23683 23689 23697 23699 23707 23714 23721 23729 23730 23751 23762 23783 23789 23802 23809 23810 23812 23821 23826 23831 23832 23833 23847 23868 23873 23884 23888 23897 23900 23902 23903 23925 23933 23941 23944 23964 23965 23976 23985 24024 24036 24039 24042 24053 24055 24062 24069 24080 24101 24107 24108 24112 24151 24153 24195 24209 24211 24230 24251 24274 24276 24279 24318 24368 24372 24381 24434 24462 24465 24568 24668 24669 24670 24674 24675 24714 24715 24731 24758 24770 24771 24775 24828 24856 24858 24878 24890 24891 24908 24934 24946 24954 24956 24960 24964 24969 24971 24979 24997 24999 25004 25005 25039 25047 25098 25107 25109 25177 25219 25222 25236 25238 25249 25252 25260 25264 25267 25270 25273 25280 25285 25288 25290 25299 25300 25305 25306 25311 25342 25343 25345 25348 25349 25350 25353 25369 25371 25400 25407 25410 25440 25442 25444 25447 25452 25455 25457 25462 25464 25477 25481 25483 25487 25492 25501 25519 25522 25527 25537 25545 25552 25562 25565 25572 25573 25581 25582 25583 25584 25590 25601 25610 25627 25628 25635 25649 25651 25652 25657 25667 25675 25685 25688 25689 25701 25704 25705 25707 25709 25717 25721 25722 25734 25735 25737 25741 25747 25753 25756 25760 25770 25775 25779 25830 25833 25834 25840 25842 25844 25866 25870 25889 25890 25895 25904 25914 25917 25925 25927 25928 25934 25935 25937 25938 25948 25949 25951 25957 25962 25971 25978 25986 25988 25997 26005 26006 26007 26010 26015 26039 26041 26046 26052 26072 26077 26082 26097 26109 26126 26140 26145 26159 26170 26172 26175 26182 26183 26194 26197 26198 26199 26202 26206 26208 26213 26217 26219 26223 26225 26227 26228 26230 26239 26241 26242 26247 26248 26258 26259 26260 26267 26269 26272 26273 26285 26313 26326 26327 26333 26335 26336 26337 26345 26347 26349 26355 26358 26361 26365 26366 26376 26377 26380 26381 26385 26389 26391 26394 26398 26400 26404 26405 26413 26415 26417 26421 26422 26423 26424 26430 26442 26445 26446 26448 26452 26455 26473 26485 26492 26493 26496 26497 26500 26504 26506 26508 26517 26521 26525 26531 26541 26543 26552 26554 26557 26559 26560 26569 26580 26583 26588 26590 26592 26596 26611 26614 26617 26619 26625 26632 26635 26636 26637 26644 26650 26652 26673 26674 26676 26705 26708 26716 26719 26722 26727 26728 26735 26739 26748 26753 26759 26768 26782 26783 26787 26789 26791 26800 26812 26816 26826 26830 26837 26839 26844 26860 26864 26870 26882 26883 26891 26897 26899 26906 26908 26911 26912 26915 26917 26918 26919 26921 26922 26923 26925 26927 26933 26936 26937 26939 26940 26942 26945 26955 26959 26960 26962 26966 26967 26968 26969 26970 26971 26976 26981 26985 26986 26988 26989 27002 27005 27007 27010 27011 27012 27016 27023 27032 27036 27038 27041 27044 27047 27048 27049 27050 27052 27056 27057 27059 27062 27065 27066 27067 27069 27072 27073 27074 27080 27085 27087 27092 27093 27094 27095 27097 27100 27102 27104 27105 27107 27109 27113 27114 27115 27116 27117 27119 27120 27122 27124 27125 27126 27127 27129 27130 27131 27133 27137 27138 27140 27141 27142 27143 27144 27152 27158 27159 27163 27166 27167 27168 27170 27174 27177 27180 27181 27184 27189 27191 27192 27193 27194 27195 27204 27209 27212 27213 27217 27218 27219 27220 27222 27223 27225 27226 27227 27230 27232 27233

27246 27252 27253 27254 27255 27258 27259 27260 27261 27262 27264 27265 27266 27267 27272 27276 27280 27281 27283 27286 27288 27289 27291 27293 27294 27297 27302 27304 27308 27310 27313 27317 27318 27320 27325 27326 27330 27341 27344 27352 27354 27355 27358 27362 27364 27365 27366 27368 27374 27376 27379 27380 27381 27382 27383 27384 27385 27386 27387 27388 27390 27391 27392 27393 27395 27396 27397 27399 27401 27402 27403 27404 27405 27406 27412 27414 27420 27422 27424 27458 27460 27465 27466 27468 27470 27473 27478 27480 27487 27494 27495 27496 27497 27500 27501 27506 27507 27508 27509 27514 27516 27517 27519 27523 27531 27533 27545 27548 27549 27550 27551 27555 27560 27561 27563 27568 27571 27573 27580 27581 27582 27583 27584 27585 27590 27592 27593 27594 27595 27597 27599 27600 27601 27602 27603 27604 27605 27606 27611 27614 27619 27622 27623 27626 27627 27628 27629 27631 27634 27635 27638 27640 27641 27645 27648 27649 27651 27655 27656 27660 27661 27663 27671 27683 27690 27693 27694 27696 27698 27712 27715 27717 27720 27723 27724 27725 27728 27729 27738 27739 27740 27743 27748 27750 27751 27755 27757 27760 27761 27763 27769 27775 27778 27779 27782 27788 27793 27796 27799 27808 27812 27835 27856 27861 27862 27867 27869 27870 27874 27875 27877 27878 27879] *(released Feb 18, 2011)*

Version 4.7 (build 70837) • Crash when opening project using Windows Explorer resolved [27104] • Crash when navigating pages while images are down-scaling resolved [27105] *(released Dec 1, 2010)*

Version 4.7 (build 70670) *This release fixes many crashes and occasional data-loss issues, with other minor issues:*
• Crashes fixed [26789, 27030, 26910, 26926, 27043, 27004, 26914, 26949, 26930, 26615, 26515, 26779, 26564, 26565] • PSPA database no longer displays 'missing not available' after save /reload from Remote Storage [26920, 26905, 26621, 26616, 26822] • Data loss issues with remote storage fixed [26907, 26887, 26765, 26784] • Memory leaks fixed [26995, 26160, 26841] • Adding multiple new images to photo database no longer introducing problems [27035, 26890] • Header & Labels font no longer reverting back to default after local save/load [26938] • False positive detection by AVG fixed [26786] • Occasional loss of images after appending panel projects fixed [26780] • Project reversion to pre-saved state fixed [26893] • Clip art copied into gallery [26494] • Occasional process remaining after exit now removed [27034] • Handles no longer disappearing on rollover [27045] • Occasional failure while rendering double pages to PDF fixed [27019] • User's email watermarking preference no longer affecting upload to publisher [26226] • Page numbering no longer being turned off after save/reload [26954] • Change to form factor after save/reload now fixed [25278] • Child text correctly responding to clicks again [26897] • Clip Art now drawn correctly when changing pages quickly [26750] • Tiles no longer appearing under mattes list in border editor [25916] *(Released November 22, 2010)*

Version 4.7 (build 70478) Minor QFE: Crashes on [==NULL] & Double-Clicking FF icon on top left while exiting application *(Released November 15, 2010)*

Version 4.7 (build 70380) *This build addresses two minor issue:* • A Crash on [NULL] when compresses session logs were being uploaded • Refresh issue on headers when loading back from RS *(Released November 11, 2010)*

Version 4.7 (build 70334) This is a stabilization release, that restores a few features to text that were turned off in the initial release of the Rich Text functionality. • Rich text now exported as vectors in PDF [25367] • Mattes now supported on Rich Text [26209] • Support for entering accented characters in Rich Text [26640] • Multi-core rendering [21595] • Support for active & passive FTP in upload to publisher [26558] Mail to associated reps option added in Repadmin tool[26817] *Bugs* • PDF layers not tagged with color profiles (produced color shift when viewed in Adobe Viewer, but not when printing) [24007 / 26689] • Improved CPU usage during PDF rendering 26661] • Projects no longer remaining locked after use [26781] • Matte list now shows only Mattes (was showing textures too) [25192] • "Cont'd" added to text box for panel pages when editing headers manually [23137] • Labels occasionally missing from student pages when rendered to PDF [15700] • Panel text occasionally appears in wrong place fixed [26872] • Panel layout corruption after page break fixed [26884] • Errors in PDF positions of very small text fixed 25255] • Autorotated images now respond to spin control [26757] • Occasional content reversions after save/load fixed [26886/26885/26889] • Issues with non-admin lightspeed users fixed [26880] • Issues with mixing Remote Storage & archiving fixed [26402/26403/26736/26778] • Failures when rendering to PDF resolved [26392 26702 26760 26762 26652] • Issues with blurry content / missing images fixed [25963/26651/26849/26373/26820/26829] • Issues with adding multiple students fixed [26776 26777 26874 26876 26877 26878 26879] • Issues with appended projects fixed [26697/26721/26724/26725/26813/26798/26797] • Fixed crashes [26646 26647 26648 26649/ 6665 26675 26679 26695/26696/26733 26470 26479 26484 26511 26529 26542 26550 26551 26553 26618 26747/ 6768] *(Released November 10, 2010)*

Version 4.7 (build 69832) *Features* • 2011 Calendars published (all users) [26585] • Render quality improved [25403] }
Bug Fixes • ICM profiles now applied correctly [26522] • Crash when uploading large PDF fixed [26408] • Fixed naming issue with network shares [26503] • Better support for saving large images [26520] • Intermittent issue with images on USB drives fixed [26526] • "Help / Support/ Request Remote Assistance" menu functioning again [26523] • Looping update fixed [26468] • FF window positions resets when going from multimonitor to single monitor configuration [26527] • Remote storage issues fixed [26482] • PDF rendering of v4.6 text corrected [26469] • Crash while rendering to PDF fixed [26491] • Edit>Paste turned back on for Rich Text [26487] • FTP Error uploading project fixed [25219/26578] • Button to update v4.6 text to Rich Text added [26435] • Multi-res versions of images in non-sRGB color spaces now correctly handled [26547] • Changes now applied to all text, not just last paragraph, when entire text frame is selected [26464] • Gallery thumbnails for headers recreated for legibility [26598] • Panels respond better to page resizing [26200] • Blank frame no longer appearing after mixing RS & Archiving [26601] • Crash on print / crash on share via email fixed [24217] • Several crashes fixed [26481/26489/26548/26563/26567/26510/26599/26600] *(Released October 19, 2010)*

Version 4.7 (build 69686) This minor update fixes issues reported in the past few days: • Crash when saving to Remote Storage [26482] • Issues when saving to \\nas1 network share [26503] • UNC paths are being interpreted as structured storage volumes [26514] • Issue when saving over older original file [26518] • Touching a candid image on any YB project page causes the entire project to become dirty [26519] • Crash caused by very large image [26520] • ICM profile management updated [26522] • "Help / Support/ Request Remote Assistance" menu reinstated [26523] • Don't show downgrade message [26525] • Improvements in handling of USB drives [26526] • Panel style presets now loading correctly [26457] *(Released October 13, 2010)*

Version 4.7 (builds 69591, 69643) *Features* Bulletproofing: Considerable effort has gone into hardening the software to prevent bugs, and to provide diagnostic tools to quickly track down problems if they should occur. • Log/report all transactions at the Amazon server to streamline debugging [22938] • Validate projects prior to upload [25794] • Provide tools to validate network connectivity to diagnose virus/firewall issues [20477] *Remote Storage Performance*: Remote Storage is now considerably faster and more stable. • Use compression in communications with Remote Storage [24650] • Use data aliases for project branches to load/save only what has changed [24652] • Use multiple-resolution caches of images to download only what is required for display [23741] • Accelerate Save As by re-using images between projects [23463] • Support asynchronous file/open so users can edit while the project is downloaded [22164] *Text:* Text frames now support exceptionally powerful layout and rendering effects. • Per-character attributes (bold/italic, font, skew, inter-character spacing, rotation, etc) [1488] • Support for text direction (Hebrew, Arabic, Chinese, etc), into shapes (circles), etc [2575] • PSPA databases: Support for the new PSPA 2011 guidelines is in place, streamlining panel creation by automatically tagging individuals based on their department. • PSPA 2011 guideline (department field, column 11) now supported and validated at import time [24125] • Optional fields (salutation and title) supported [25983] *Yearbook Panels*: Panels are both easier to work with and more flexible. • "Simple" mode introduced, with support for preset styles and queries [15838] • Populated panels can be converted to regular frames for complete layout flexibility [16697] • Panels can be locked to prevent changes [25664] • New label mode added: Text Beside Image [23309] • Panel labels automatically change to optimal size based on panel frame width [22528] • Panel population sort orders can be reversed [22397] *Collaboration* : Individuals can contribute to the yearbook without having YearbookFusion installed, by opening a web page and uploading images directly to the yearbook staff. • 'Drop box' functionality added to the Gallery [26017] *Upload to publisher* • Connectivity between the installed YearbookFusion and the publisher FTP site has been improved. • The FTP upload mechanism now allows the user to select and upload any local file [24218] • Covers can now be uploaded separately from the rest of book (as Rep preference) [19239] *(Released October 11 & 12, 2010)*

Version 4.6 (build 66120) *New Feature* • Users can now upload any file on their system to their publisher [24218]
Performance • Finalizing a PDF now takes a fraction of the time it previously took [24431] • Remote storage load time improved on underpowered machines [24458] • Improved memory handling when rendering to PDF [24004]
Bugs Fixed • Label text occasionally missing from panels in rendered output [23889] • Increased logging during remote storage communications [24442] • Rare crash after activation [24456/24471] • "Invalid Hierarchy Error" after inserting project from remote storage [24467] • Rare scaling issues in PDF rendering [24137] *(Released May 18, 2010)*

Version 4.6 (build 65873) *Features* • Improved image validation [24128] • Render output controls disabled if values are specified by Form Factor [24343]
Fixed Bugs • Individual frames no longer shifting on reload of local project [23733] • Canvas no longer shifts by bleed amount when rendering [24421] • Pages occasionally rendered with "small contents" as part of Assemble Book batch process - fixed [23999] • Out of memory error / crash when rendering to PDF [24004/24333/24140] • Panel labels now reliably flip when layout is flipped [24182] • Excluded pages now correctly excluded from rendering [24260] • Memory leaks during archive / restore cycle fixed [24267] • Debug console now hidden in non-debug releases [24344] • FTP upload no longer terminating connection if timeout received in control channel [24345] • Page segments now correctly removed after double-pages-separate render [24348] • File > Open / Remote Storage dialog occasionally empty - fixed [24349] • FF no longer crashes when loading project with Invalid form factor [24395] *(Released May 10, 2010)*

Version 4.6 (build 65493) *Features* • "Locate missing images" now detects image files that are invalid but not missing [24127] • Images in project DB can be forcibly changed via 'Re-Link' option in Organize [24090]
Bug Fixes • Crash on panel reflow fixed [23658] • Sequence of local save, remote save, local archive, local restore no longer produces checkerboard canvas [23892] • Empty dialog shown in response to upload error fixed [24042] • Candid pages can now be dragged freely through panel set [24135] • Occasional PDF rendering error (large clip art / shadows) fixed [24137] • Occasional Crash on start up fixed [24152] • PDF exporter support for large projects [19762] • Fonts not on system get replaced with 'Arial' loading Remote Storage project [20832] • Unable to justify Hebrew/Arabic text [23225] • In case of a failed download project appears broken [23791] • Missing scraps warning in restored projects [23798] • Empty 'Missing Image' prompt on Tools > Locate Images after restore [23828] • Missing images list reports images on wrong folders [23872] • Panel label text not visible rendered when output to PDF and Printer [23889] • Occasionally Remote Storage locks on projects reported inaccurately [23904] • Non-Premium content for publishers watermarked output [24066] • Occasional PDF render produces missing panel images and names [24082] • Stability when loading Remote Storage

projects [24087] • Persistence in panels columns [24139 • Improved project consistency when loading from Remote Storage [24150] • Text attributes Bold / NonBold not responding [24155] • Occasional error prompt saving restored archive locally [24169] • Label text with huge size appeared to be 'missing' [24171] • Improved group and chapter organization [24178] • Missing font reports incorrect path [24188] • Communication errors when connection timeout [24199] • Re-archiving a project after restoring unsuccessful [24213] • Occasional crash when opening specific projects [24106] *(Released April 21, 2010)*

Version 4.6 (build 65295) *Features* • Can now manually specify a new image for a panel frame [24053/24098/24100/24116/24117/24118]
Bugs fixed • Deleting a candid page within a panel set no longer deletes the entire panel set [23593/23856] • Crash when moving chapters inside of the projects fixed [23641] • Crash when moving a candid page between panel pages fixed [23825] • Missing fonts no longer stop archiving process [23963] • Web access control application (Lightspeed) no longer destroying projects [24079] • Moving a group to the top of a panel set no longer breaks chapter structure [24081] • Changing a header's font no longer risks having it disappear [23823] • Errors causes by fonts in archives fixed [23824/23963] • Crash when changing back to create tab after major database changes in organizer fixed [24086] • Candids moved into panel set not longer become part of that chapter [24091] • Crash when closing project fixed [24092] • Images & Elements from Gallery no longer go missing when dropped on to canvas [24094] • Deleted panel label text no longer reappears after save/reload [24096] • Organizer now refreshing after [24098] • Add Student option back in organizer's source tab [24099] • Communications Errors when loading from Remote Storage fixed [24103] • Missing Images after archiving fixed [24105] • Problems setting text to bold or italic fixed [24111] *(Released April 13, 2010)*

Version 4.6 (build 65183) *Features* • First pass at image reconnection UI introduced • Added ability to reconnect images by display name instead of file name [24049]
Bugs Fixed • Gallery Clip art disconnection fixed [22751/23797] • Update no longer loops for some users [23186] • Candid pages locked to Chapters can now be moved [23294/23295] • Crash when loading project referencing unavailable images fixed [23854] • Rare crash when moving pages fixed [23876] • Candid pages no longer moved to end of panel pages during reflow [23899] • Duplicated marketplace content no longer appear blurry during output to PDF/JPG [23909/23992] • Errors when saving to RS reduced [23953] • PDF preview no longer makes clip art disappear from canvas [23961] • Looping "page count exceeded" dialog when changing panel pages fixed [23978] • Publisher build can open password-protected projects without password [23979] • Rare case of project creation with incorrect form factors fixed [24005] • Thumbnails in reconnection UI no longer showing grey after successful match [24052] • Archives no longer restore with missing photo notifications [24060/24075] *(Released April 9, 2010)*

Version 4.6 (builds 64624/64635/64645/64672/64682/64719/64800/64913) *QFE series for bugs related to* • Project deletion when crash while saving • Crash Local Save & Enhance Error Reporting • Healing and Disconnected images • RSData.db changed to Read-Only • Healing Broken Projects on Load • Missing Images Healing & Reconnect • Disconnected Grey Images from RS • Disconnected Images loading from RS • Disconnected Images on Archive from RS *(Released March 15-28, 2010)*

Version 4.6 (build 64463) *Features Added* • Increased performance while editing 'All Panels' [23600] • Improved DB integrity testing during Load & Save [23618] • Saving to Remote Storage now creates local backup before uploading [23635] • Performance of saves to network drives improved [23700]
Bugs Fixed • Fixed 'Missing Content' Error when saving to Remote Storage [23209] • Should not see 'Missing Image' warning when loading from Remote Storage [23559] • Should not occasionally see blank frames instead of images when loading projects [23571] • Projects no longer occasionally opening as blank pages after improper shutdown [23573] • When offline, files now reliably appear in the file-open dialog [23611] • Panel labels should no longer occasionally disappear when saved/loaded from a network drive [23612] • Student labels should no longer disappear after save as [23644/23672] • Project with '.' in their name now handled more gracefully [23720] • Remote Storage Projects will no longer occasionally open "empty" after saving locally [23731] • Fixed crash when appending projects [23633] • Fixed crash when saving to Remote Storage [23617] • Fixed crash when repeatedly & quickly moving pages drag & drop [23685] *(Released March 10, 2010)*

Version 4.6 (build 64312) *Bug Fixed* • Save-As causes text to vanish under student frames [23644] • The school DB is lost after save, close, re-open [23618] • Cant see Local Projects under File > Open when Offline [23626] • No labels for the PDF exports [23630] • Need to detect missing text under panel frames and re-flow if found [23639] • Process 503 errors in download manager [23627] • Import PSPA when FF is Offline = Nothing in ORGANIZE Tab [23643] • Empty panel projects recently saved on RS [23649] • Cannot open a local project after save on RS [23646] *(Released March 3, 2010)*

Version 4.6 (build 64164) *Bug Fixed* • Projects load with un-linked images [23571] • Project opens as blank canvas after crash [23573] *(Released February 25, 2010)*

Version 4.6 (build 64120) YearbookFusion only *Bugs fixed* • Occasional loss of student database after save/load fixed [23528/23521] • Occasional crash when opening project fixed [23535/23506] • Occasional Communications Error during load fixed [23549] • Occasional loss of database information from PDF render fixed [23524] • Pasted elements now aligned with copied elements [4322] • PDF rendering of opentype now supported correctly [23514] • Featuring a teacher no longer leaves an occasional blank frame in panel [23537] • Can now set last panel row to "edge" when featuring a teacher [23538] • Text now correctly populating manually-configured tags with database information [23473] *(Released February 23, 2010)*

Version 4.6 (build 63972) *Features* • Rep output preferences (watermark/lowres/full/disabled) now supported 16239 • Support start page number offset in page numbering options 18462
In Progress Features added:• Detect when proxy requires a password and respond by showing login window (we now support some proxy servers, more to come). 22661
Bugs fixed • Connection Timeouts when saving to Remote Storage fixed 23146 • Font Editor now displays font name correctly for projects from remote storage 20943 • Projects with unusual fonts once again loop through Remote Storage correctly 22284/23302 • Failure during load from Remote Storage no longer produces resizable blank project 23310 • Reloading the project you are currently editing in RS no longer fails oddly 23385 • Frames reporting missing images when loaded from Remote Storage fixed 23392 • Bucket contents once again survive save / quit / reload of project 23342 • Issue with broken installations after updates now fixed 23346 • Panels showing empty frames after changes in organizer fixed 23240 • Issue with images on network drives going blurry now fixed 23416 • Projects with names containing unusual characters now appear correctly under File > Open 22635 • Empty Gallery for some publishers fixed 23070 • Print options now appear correctly according to rep preferences 23253 • Shortcuts to folders & network paths now available from file dialogs 23354 • Clicking 'preview' in email tab now works error-free from all subtabs, not just 'envelope' 23411 • Map of clickable regions in HTML output now takes bleed into account correctly 23412 • Progress bar messages during HTML rendering now more informative 23413 • Occasional crash fixed 23316 • Rare threading issue with overwritten properties fixed 23371 *(Released February 17, 2010)*

Version 4.6 (build 63740) • The Preview option into the Export tab didn't work [4737] • The dropper didn't work after clicking the export/preview button [4741] • "Out of Memory" error when Uploading to publisher [23181] • Dragging a "left" page to first page caused it to become "left" [23210] • Dragging a page into blank space caused a new page to be created with an odd error message [23206] • Dropping from CDROM/USB Drive didn't copy locally [23208] • Upload request references an inaccessible file [23203] • Revert to normal frame does not refresh properly [23140] • Panel with turned off group caused a freeze [23196] • Crash leads to completely empty RS project [23054] • Thumbnails don't update when photos dropped to canvas are never viewed at least once [23234] • Handle error 404 "file not found on remote server" more gracefully [23214] • Add "Occlusion on/off" option per Group [23127] • Small groups with Features have odd occlusion. [23128] • Breathing pages in and out breaks all subsequent page designs [23217] • Crash when moving a collage page down in-between panel pages [23180] • Combo edit boxes in "attributes" don't scroll, restricting input to <20 characters [23216] • Crash after deleting Panel Pages grouped together [23258] • Resizing panel frames causes panel image to move pages, leaves embellishments behind [23230] • Download updates in the background while users work, avoid having to wait [23250] • Moving a group to the first page causes chapters to break [23249] • Add "Make into..." combo to allow quick setting of image type in organizer [22972] • Changing a custom attribute makes panels seem to disappear [23090] • Colored outlines for chapters in pages hover are more clear [23028] • Crash when reflowing Panels with new chapters [23279] • Archive/Restore caused issues when restoring from an older project [23305] *(Released February 08, 2010)*

Version 4.6 (build 63501) *Bugs fixed* • School list boxes in panel population editor are empty [22740] • Save project, reload - panels shift, and thus occlude, and reflow. [23048] • Inserting a new page repeatably crashes YBF [23051] • Apparent deadlock when loading from remote storage [23062] • White panel frames in project pulled from RS [23084] • Reword alarming message about unlocking projects [23091] • No data in "populate" drop downs after loading YB project [23098] • Activation dialog appears to open offscreen [14995] • FF gets confused, goes 'ding' when you click on it [18879] • After activation, hidden window "freezes" the software [21955] • Custom page FF gets resized without warning [22535] • Apply to all pages = crash [22655] • Auto-flip (turned on by default) breaks yearbook panels [22676] • Copy/Paste frames onto panel pages, no reflow happens [22679] • Advanced text causes insta-crash under windows 7 [23144] • Insert project opens instead of appending [23147] • "Cont'd" text gets added to editor box. Causes doubling of "Cont'd" text. [23137] • "Teacher Name" - Cont'd for the first page of the group [23139] • Panels lost on controlling cols/rows by the sliders [23143] • Rendered output from v4.6 noticeably worse than v3.7 [23165] *(Released January 29, 2010)*

Version 4.6 (build 63326) *Bugs fixed* • Rows inappropriately knocked out when featuring a teacher [23058] • Clicking on a group switches to selected group panel page [23060] • Autoselection panel features leading to problems with the panel [23064] *(Released January 21, 2010)*

Version 4.6 (build 63307) *Features* • Major speed improvements when loading/saving existing projects (more to come) • Improvements to the "Panel" bar which reacts more intelligently • Support featured photo in header of grouped yearbook panels (e.g. teacher) [15412] • Update installer to allow totally non-admin installation [19336] • Changes to header text not reflected in "con't" headers [22973] • Show headers even if the panels are not grouped [23006] • Headers should not be disabled if only one group [22726] • Able to change panel grouping non-destructively [15862]
Bugs fixed • Update Loop after Installation (rare) [22488] • Knockouts frames show on rendered page [21972] • Images not showing at random on load from Remote Storage [22948] • TIF images appear with locked aspect [22829] • Panel sets within panel sets produce corruption after re-ordering [22758] • Gallery images don't appear when shared folder used in networked environment [22990] • PDF export fails on large projects [19762] • Non-admin User accounts cannot run FotoFusion [20347] *(Released January 20, 2010)*

Version 4.6 (build 62580) *Bug fixed* • Form factor conformation resolved [22674] *(Released December 21, 2009)*

Version 4.6 (build 62460) *Bug fixed* • Panel updare re. form factor *(Released December 15, 2009)*

Version 4.6 (build 62269) *Bug fixed* • Column and Row settings for panels *(Released December 8, 2009)*

Version 4.5 (build 62295) *Bug Fixes* • PNG files display black on Windows 7 64 bit OS • Cached items that are in database dating previous to build 60134 are not loaded *(released December 8, 2009)*

Version 4.6 (build 61290) *(Released October 28, 2009)*
Version 4.6 (build 60648/60649) *(Released October 1/2, 2009)*
Version 4.5 (build 60134) *Bug Fixes* • Matte cutter overwrites original image. [20853, 20133] *(Released September 10, 2009)*
Version 4.5 (build 59268) ***Bug Fixes*** • Bevelled frames drop correctly [20259] *(Released August 6, 2009)*
Version 4.5 (build 58767) *Features* • User preferences option for external editor added (under Edit menu). [20104, 20108] • User preferences options for copying images when sent to external editor added (under Edit menu). [18983] • New form factors added to manufacturer's list (AsukaBook, Albums Unlimited, Art Leather, Blurb, Color Portraits, Entourage, Georgia Printers, Graphistudio (US), Le Cartonnage, Picto Books, Roshan Group, Strawbridge Studios, The Icon Experience, Van Gogh School Portraits [18830,18893, 19099, 19952, 19910, 19864, 19766, 19790, 20064] *Bug Fixes* • Output to file using same name as existing file now prompts with warning. [18591, 19621] • Output to file now correctly respects rendering preferences specified by manufacturer in Form Factor [19880, 19879]. • Bleed value for cover sheet gutters now correctly respected when rendering front/back separately.[19538] • Support for custom exif tags restored. [19346] • Matte Cutter is applied to all duplicate images. [20133] • Images do not autoupdate after red-eye & matte application [20136, 20170] • Problem with bold/italic attributes corrected. [19954] • Deleting two instances of a frame+text now problem-free. [20067] • Multiple images sent to external editor does not prompt to make a copy for each image. [8222] • Large form factors lists no longer delay startup. [19094] • Manufacturer's list sorts by product type in File > New. [18976, 19098] *(Released July 15, 2009)*
Version 4.5 (build 57600) *Bug Fixes* • Upload to Publisher - FTP error (YearbookFusion only) [19579] • Thumbnail resolution of image rendered instead of high resolution [19616] *(Released May 28, 2009)*
Version 4.5 (build 57466) *Bug Fixes Editing* • Matte cutter works on .png files. [11312] • PNG mattes set to the correct channel. [19400] • Matte cutter respects crop and position of image. [18981][19414] • Matte channel preference respected after reopening project [19401] Convert text to matte repaired .[17034] • Red eye removal tool works on .png files. [12756] • Smart frames resize correctly. [13197][18173] • .gif transparency respected. [13828] • Autojumble no longer inflates images. [16286] • Symbol fonts will render after project is saved. [18068] • Background image copied when auto-duplicated. [14003] [16274] • Mattes, fonts and tiles list will now respond to keystrokes to find item by name. [18923] • Multi-selected small frames display handles correctly. [19166] • Image editor will restore brightness to factory defaults [19447] *Installation, Licensing, Marketplace* • Installer will only run if administrator account is in use; activation will hold for all users [13145] • Uninstalling FotoFusion does not cause issues with previously downloaded Marketplace content. [14485] • One font warning for all fonts in a projects. [16011] • Projects moved between machines will display missing font message. [16609] Font license warning message will never show again if disabled on a project. [19365] • Missing font warning appears when older archived project reopens. [19440] • "Download content from store" will bring entire contents down. [18838] *File & Project Management* • Projects opened on network will save, reopen on other machines on network as expected (no caching). [14609][19274] • Issues related to photo caching on network projects resolved. [19172] • Various issues with reconnecting images stored on a network resolved. [18930][18931][18932][18933][18936] • Missing images reported correctly. [19321] • Archives includes fonts. [14894][16425] • Images edited in external editor will make image copy in same folder as original, and canvas is refreshed as expected. [18963][18972][19152][19423] • Previously saved projects will no longer unpack when reloaded. [19086][19002] • Changing shadow options will prompt save at close. [19226] *Output* • Output folder is remembered between sessions (really resolved this time!) [17386] • Rotated group of images will render to psd correctly. [19021] • Split cover pages render with front cover, back cover in file name. [19022] • Preview rendering of a file does not require valid folder path to be specified. [19279] • .jpg files cannot be rendered without file name specified. [19461] *General* • No crashes on single core machines. [18886]Print preview displays panel pages correctly [19227] • File > New will display only 10 page thumbnails per page. [19490] • Hover layouts persist between tab switching. [14649] • Hover behaviour corrected when pinned or docked. [19325] • Color management settings appear as button on toolbar. [19159] • Color management settings persist between sessions. [12645] • Page thumbnails refresh as expected. [19107] • Form factor will persist between saves while running as trial. [19125] • Memory leak fixed. [19398] *Yearbook* • School combo box is sorted. [19003] • Accented uppercase characters do not break database. [19465] • Add student to PSPA import will copy image to PSPA folder. [19087] • Yearbook publishers can designate master archive password for all clients' archived projects. [19079] • Yearbook Publishers have all tabs available regardless of user preferences. [19214] • Yearbook panel pages will resave project correctly after missing images reconnected. [19133] • Archiving issues with yearbook projects resolved. [19062, 19069] • Incomplete FTP upload issues resolved [19188, 19272] • DPI for projects uploaded to publisher is respected. [19275] *(Released May 20, 2009)*
Version 4.5 (build 56280) *FEATURES Form Factors* Introduction of Form Factors - power tools that ensure that your layouts match specifications from album manufacturers
• Revamped Canvas and Project settings editors [17265, 17441] • Support for user-defined Form Factors (supersedes canvas size presets) [17156, 17984] *Output* • Completely revamped output file naming schemes provides sensible defaults, useful presets and complete user customization • Crop marks drawn as thin black lines over white background for improved visibility [17517] • Improvements to Album themes in Output to the web [17697, 17698] *UI* • "Desktop" now appears at root of all file trees (organizer, image hover, autocollage, etc) [3511, 16373] • Organizer now immediately reflects changes made to folders and files [3140, 11594, 17212, 17922] • Menu system reformatted for improved usability [16851, 17803, 18752, 17303] • Inline text-based search controls added to search hover [18191]• Pages hover contextual menu now includes "move to page..." option [18221] • Page Up/Down in multipage project controlled by Ctrl+mousewheel [17913] • Grid visibility and grid snapping exposed as separate controls [17302] *General* • Set of available text tags greatly expanded and organized into hierarchical menu in text editor, output options [13151, 15678, 17383] • User Preferences dialog now available, providing: • Toggle for Organizer's advanced search [18183] • Control over size of dropped images [16979] • Mousewheel direction option for zoom in/out [17912] • Overlay image info includes "filename" and "filename+file extension" options [17994] • Copied objects now available in dropper after new project created [17372] • Respect center line added to Autocollage options [17838] • Thin contrast line around frame border can now be toggled [13206, 18137] • Welcome screen tutorial shows now shows all videos on first run [18545] *Marketplace* • Bundled content downloads faster [17341] • Already-downloaded content now available in Marketplace even when offline [17440] • Clicking on content links on web pages (e.g. LumaPix.com) now launches FotoFusion and loads content [17915] • Search hover now supports 'From Any Publisher' option [9713,16365] • Diplomas category now available [18610] *Yearbook Features (available only in YearbookFusion license)* • Organizer now offers "Add Student" button to import additional images into student database [15569, 17725, 18732, 17904, 18727] • Teachers can be brought to top of yearbook panel by pre pending space to their last name [17189, 17201, 17246, 17455] • Publishers see list of their associated schools, can choose among them when importing PSPA database [16338] • Default form factors determined by publisher association [16893] • Publisher-specific form factors displayed for their clients only [16107] • Publisher-specific preset searches (clip art, papers, frames) now available [16961] • Yearbook Toolbar streamlined down to single button [17885] • Panel text can be protected from changes or unlocked for manual changes [16755] • Panel size/position can be protected from changes or unlocked for manual resizing, rotation, repositioning [17574] • Students can now be excluded from panels (e.g. witness protection programs) [16224] • Images with empty data fields at import time are now collected into named buckets for correction [15827] • Custom attribute sets can now be created (at import time, in Organizer, and when populating panels). [17587, 17586, 17587, 17642] • Custom text qualifiers now supported in PSPA import [17639] • Append option at import now prevents duplicate file names in database, simplifying conflict-free reimport [18660] • School and custom attributes now available from Text tag menu [17461] • Overlay image info now available for panel images [17594] • Publisher build includes Admin tab, giving access to rep admin web page [18671, 18645] • YearbookFusion trial now accessible from Run As dialog [17417, 17685] *FIXED BUGS Editing* • Matte cutter once again available to Enhanced users [17382, 18017] • Edge/Gutter safe zones now swapping correctly on left/right album sides [16849] • Dropper order now respected when images added to canvas [17434] • Snapping to grid line now works with all units of measure [16493] • Smart frame dropped on top of regular frame now consistently displays as expected [16528, 17227] • Z-order of selected frames now preserved after grouping [16575] • Mattes now auto detect alpha-rgb settings [17040, 17056] • Cover sheet now draws gutter line even when spine width = zero [17114] • Mattes now correctly applied to existing frames when dropped on them, instead of creating new frame [17387] • Background canvas frame now cannot be split [13444] • Mattes can now be applied to canvas correctly [17010] • Jpg file can now be dropped as canvas background if png graphic already on same layer [17370] *Output* • Several PSD export issues resolved [14861, 14915, 16413, 16971, 17058, 17866, 18058] • Occasional mismatch between render size reported on output tab and actual file now resolved [17705] • Tag with sRGB now works as expected [18501] • Several issues with Page numbering at render time now resolved [17311, 16884] • Artifacts in PNG files at higher resolution renders have now been removed [17366] • Render options no longer default to rendering overhang [17657, 18002] • Output to the web now creates appropriate thumbnails, info, extensions, etc. [18560, 18561, 18563, 18147, 18148, 18149] • Output to a file now remembers last-used folder [17309, 17386] *Data Management* • Appending a project no longer clears current bucket contents [15662, 15465] • Buckets no longer emptied on auto-populate [15465] • "Used" check marks now correctly shown on images on remote drives [18823 • Images located on a removed external drive now give warning message on project load [17959] • Thumbnails in file/open dialog now updated correctly when project has been saved over [17868, 17869] • Browse for Images remembers last visited folder, even if image is not opened [17388] • Illegal characters do not cause File > Save to fail [17510, 17850] • Occasional crashes when loading v3.x projects fixed [18568] • Inserting a project now appends instead of replacing current project [17238, 17715] • Restoring projects (.scrap, archives) uses caches if available [17746, 17951, 18644] • Restored archive does not require resave if no changes made [17750, 17752, 17791] • Item removed from database are now also removed from bucket [17410] • Multiple sequential keyword search no longer crashes [16789, 16850] • Page numbering attributes now correctly reconstructed on load [17454] *General* • Memory leaks fixed [17276, 18764] • Crash on single-core machines fixed [18886] • Loaded templates are unlocked during trial use [18854] • Essentials license no longer able to create unrenderable projects by appending kit templates [14953] • Run As... now respects evaluation, not paid, license limits [14213] • Images with auto-rotate EXIF flag no longer slow FotoFusion down [2417] • Users with passwords containing non-alphanumeric characters can now reactivate normally [17277] • Thumbnails containing high-res png images no longer display artifacts [17373] • Various language/translation issues resolved [17041, 17525, 17864, 18051, 18046] • Email support option now requires valid email address [17769] *UI* • Refresh issues with large thumbnail previews in Marketplace resolved [16709] • Toolbox no longer gets stuck in invisible state [17169] • Start Zone no longer gets stuck in blurred-out mode [16932, 17008] • Shopping cart button now showing "unpurchased content" notification only when necessary [17195, 17240] • dotScrap items launched on canvas no longer creating ghost frames in the Tree view [16888, 17160] *Yearbook Features* • Panels sometimes hang off safe area [17666] • Publisher's build now stores list of known schools, enabling offline work [18136, 18222] • Importing new PSPA data now clears previous imports [17108, 17274, 17352, 17353, 17355, 17630] • Restoring yearbook archive now replaces current database [17076, 17079, 17096] • Modifications to

student database now correctly reflected when project opened by different users [16954] • Project save is now forced prior to upload to publisher [16411] • Reconnected missing images for panel images remain reconnected when project is reloaded [17950, 18009] • Database modifications made in Trial mode persist after activation [17963] • Changes to student information mark the current project as dirty [17180]• No longer possible to create duplicate column headings when importing PSPA files [15250] • Turning off header at PSPA import now correctly affects number of records imported [15747] • Grades now sorted as numbers, not strings (grade 9 comes before grade 10) [17376, 17439, 17466] • Default size of text under panel frames improved [17675, 17646] • Application of two-page spread to yearbook panel now handled more gracefully [17967, 17968, 17969] • Projects with no PSPA database can now be uploaded to Publisher as expected [18047, 18049] • Legibility of text in Panel Wizard improved [16738, 17542] *(Released April 3, 2009)*

Version 4.4 (build 54352) *Bug fixes* • Insufficient memory error messages resolved [17218] • Uninstallation issues resolved [17356][17020] • Installer checks if FotoFusion is running [17357] • Overlay info checkbox issue conflict resolved [17281] • Left/Right Page type functions as expected [17359] • No crash when project opened with images on disconnected network drive [17360]• Dropping a matte or tile onto the canvas does not apply it to the canvas frame [17377] • Missing image on the quick start resolved [17362] • JPG artifacts and bad quality render at 200dpi vs 300dpi [17366] • No crash on dragging font files over an existing text frame [17369] *Yearbook Fusion* issues were also resolved in this build [17358] [17330] [17364] [17365] [17376] (Released January 12, 2009)

Version 4.4 (build 53729) *New features Performance* • Enormous speed improvements for search hovers (e.g. frame/paper) • Project download now much faster • Organizer keyword entry optimized [15245] • Memory used [even] more efficiently [14192] • Font size marked as "resize to fit", 'do not exceed" optimized for performance. [15091] • New Thumbnail/Tile/Details mode added to Organizer [15324] • Images hover [14577] • File > Open dialog [7774] Text Editor • Dragging the "T" icon in the text toolbox interactively adjusts text size; Ctrl-dragging adjusts text border size [14365, 14608] • Frame alignment option added [13676, 13951] • Dashed outline option added [13991] Canvas settings editor • Cover Sheet option added (configurable width for front flap / back flap / spine) [7306] • Set gutter/edge/top/bottom bleed and safe with a single action [11605] *Grid* • Snapping and display now separate options [12957] • Grid color now customizable [14002] • Presets supported. [14050, 14051, 14052] *Editing* • Image on background can be reassigned to canvas layer via right-mouse menu [6263] • Frames can now be grouped with an existing group [4080] • Alpha-based hit testing on elements [13348] • Behaviour of Ctrl-A (Select all) has been modified: if item is selected, like-items are selected; it all like-items selected, then remaining items are added to selection [13614] • Autopopulate sort options exposed in toolbar [3325] • Editor preset options renamed for clarity, and now include "apply settings to this page / all pages". • Keyboard accelerators added for Go To First Page (ctrl+home) and Go To Last Page (Ctrl+End) [6215] • Search results automatically swap tabs to those that contain results [12816]• Frames can be interactively reordered by dragging the 'Arrange' icon in the Frame toolbox [3808] *Output* • ICC profile support available for PSD output (Extreme only) [12291] *Start Zone* • UI unified to common interface, tabbed options • Support email form automatically adds FotoFusion installation information • Marketplace retooled to better reflect store content • Learn and Support options added

Bug fixes Many minor issues addressed, including: • Naming a file type .jpg and choosing file type .psd in output tab no longer produces problems [4839] • PSD export will not be reported incompatible by some versions of Photoshop [12774] • Hovers now reliably stay open when you roll over them for the first time [14945] • Autocollage now only affects currently selected images, not entire dropper contents. • Crash when accessing folder with many auto-rotated images fixed [15063] *Marketplace content* • Occasional issues with store content looking blurry now resolved [4162] • Smart frames dropped on existing frames now always apply correctly [10622] *Licensing issues* • Repeated reactivation should no longer occur [14243] • Numerous issues with licensing and available features have been repaired. *Vista weirdness* • Stuff you simply don't want to know about, like virtual stores and virtual registry entries, cleaned up. [15452] *YearbookFusion-Exclusive Features* LumaPix is pleased to announce the release of YearbookFusion – a new version of FotoFusion designed for schools and church groups, and intended for distribution by yearbook publishers. Features include:

• PSPA CD import with support for custom fields • Customizable class panels (grids of images + text tags) • Free yearbook templates and clip art • Direct project upload to publisher with predefined output options • Publisher-specific page sizes • Publisher-specific branding Publishers interested in distributing YearbookFusion are invited to contact LumaPix for more detail. (Released December 17, 2008)

Version 4.3 (build 51083 & 51564) *FEATURE* • special release build for SEI paper+digital bundle (not web released) *(Released August 29 & Sept 18, 2008)*

Version 4.3 (build 50848) *FIXED BUGS* • 15063: Crash when accessing 'auto-flipped' images folder • 13672: UI tweaks for better display under Windows Vista *(Released August 19, 2008)*

Version 4.3 (build 49690) *FEATURES* • License-specific "Welcome Page" • Batch printing of multi-page albums • Page thumbnails added to print dialog • Improved print preview performance • Many improvements to general stability

FIXED BUGS • Fixed crash entering a 'space' in search field • Fixed 'out of memory' error when rendering large project *(Released July 2, 2008)*

Version 4.3 (build 48400) *FEATURES* • Email application migrated to new Share tab • Email address list can now be edited • Email address list stored in text file in C:\My Documents\My Collages • Image overlay text is now DPI independent

FIXED BUGS • Cancelling high resolution download no longer results in blurry output • Resolved crash when inserting v3 projects through page hover *(Released May 9, 2008)*

Version 4.3 (build 48137) *FEATURES Data Management* • "Archive for public use" now available • Most Recently Used Files displayed under File menu option • Multi-selected pages in Organizer can now be appended to current project (Extreme only) • "Locate Missing Images" now includes mattes • Immediate indication if project is trial or contains unpurchased marketplace items • Number of results shown in search hovers *Image Frames* • Frame position, rotation and size can be locked • Lock aspect ratio is now selection-specific, not global to all frames • Moving frames within a group does not break grouping • Blue overlay removed from Group display • Existing frames cannot be nudged accidentally while dropping new images • Last dropped/added frame is selected automatically *Text* • Third party font managers now supported • Right-to-left text (Hebrew, Arabic, etc.) now supported • New "do not exceed" text bounding option prevents text from clipping • Font licensing info displays font name • Canvas text can convert to matte [Enhanced, Extreme only] *Identification* • Page Numbering now supported (Extreme only) • Pages can be renamed in page hover (Extreme only) • Page Name option added to text tags list • Overlay Image Info added to Printing options • Opacity added to Watermark output options • Automatic cleanup of frame numbers enabled *FIXED BUGS Project Management* • Tree view properly reflects all canvas elements, including grouped items • Tree options cleaned up • New keywords recognized by organizer immediately • Sort by date works in Organizer works for Marketplace content • Autocollage wizard will not include avi files • Multiple bucket renaming in Organizer correctly reflected in Create screen bucket hover *Data Management* • Saving template over itself as new project now works as expected • Memory fragmentation issue resolved *Editing* • Accidental tiny frame creation prevented • Tinted png mattes behave as expected • V3 mattes supported correctly • Removing canvas image now defaults to white, not transparent • Duplicate copies of smart frames no longer blurry • Image list "go to page" feature behaves as expected when page order, size altered • Smart frames dropped on image will apply to image instead of creating a new frame • Frame size, position defaults are 1, not 0 • Png files set as "image" will not lose cropping when reloaded • Picking up canvas images now behaves as expected • Canvas refresh issues after turning grid on addressed • Page thumbnail refresh issues addressed • Frame's "show drop photo here" checkbox no longer affects auto-collage • Rotation handle now switches to yellow when Ctrl key is held • Canvas image pick-up does not result in transparent background • Tab area now not part of scrolling hover area *Undo -- The following undo errors have been fixed, among others:* • matte application • refresh issues after undoing resize • image brightness, blur following image swap • moving frame to new layer • canvas image drop • split image mosaic *Output/Printing* • Email crop no longer includes overhang • PDF multi-page export with doubles separate renders as expected • Warning now appears if an image file is locked by another software at render time • Never-visited pages of Marketplace templates now render correctly *General* • False "unpurchased material" error message addressed • FotoFusion will run on Vista account without administrator status • Auto-update seen by older builds • Autocollage drop-down not as fast to react to mouse-over • Images tagged as "ribbon" or "decoration" now behave as expected • Auto-duplicated page with one image dropped will not reproduce the image on subsequent pages • Save/Open dialog resizes to fit on low-resolution monitor settings *Trial use* • Trial users have access to buckets • "Run As" Extreme will display all Extreme interface components • Trial users running as Extreme can now resize store templates • Run As... Selection remembered between sessions *(Released April 28, 2008)*

Version 4.2 (build 46555) *FEATURES Export/Print Improvements* • Export cropping options expanded to: canvas only, canvas + bleed, canvas + bleed + overhang . • User-defined image information overlay now available as output option (Enhanced, Extreme) • Zoom-to-fit preview of exported images. • Album preview theme added to Email and Web options (Extreme - multi-page). • Drag&Drop images into page thumbnails to auto-collage them • Drag&Drop multiple images into page thumbnail with frames to auto-populate them *Data Management* • Buckets can now be renamed. • Bucket icon indicates number of contained images. • Bucket icon indicates most-recently-dropped image. • Images imported from USB devices offer 'copy or refer' option • "Go to page where image is used" option on image thumbnails dotScrap Marketplace • List of Bundled content now available in large clickable list *Other Improvements* • User-defined canvas size presets • Control-click on color chip sets it to black/white • Single page layouts (cameos) excluded from page numbering • Snap image upright added to right-mouse list • Exif tag list sorted by name, with frequently-used at top • Frame number not drawn over empty frames *FIXED BUGS* • Selection handles on multi-selected images function properly again. • Mac installations using Parallels work again. • Reconnecting lost images finds all duplicates within a project. • Ctrl-S with hover open will save project as expected. • Compositing error on ripped smart frames fixed. • Crash when rendering at very high res PSD output fixed. • Cached images located on photo database will reconnect after database is moved. • Uninstalled fonts can be dragged from bucket to text frame. • Thumbnails in buckets drawn correctly. • DotScrap memory usage reduced. • Tiles dropped onto images appear in image editor tile control. • multi-page email index renders correctly without needing to visit all pages first. • User watermarks not drawn on Email/published index thumbnails. • Page Segments not lost after cancelling render. *(Released February 23, 2008)*

Version 4.2 (build 45888) *FEATURES Gradients* • Gradients are now supported as a matte type [Enhanced/Extreme] *Updated UI* • Search hovers now categorize store items into premium/free/purchased/mine . • Metric measurements apply to all editors when user defines "cm" in canvas size options. • "Number of times used" count displayed in Image lists. • Color Management: Select monitor and printer profiles plus rendering intent [Extreme][BETA]. *Export/Print Improvements* • Exif page numbers respect double-page spreads. • Page number applied as text tag in double-spreads respected on title bar, output, text tags. • "Overlay image information" option overlays file name, frame number and page number. • Printer window revamped for clarity, hinged page option added. *Streamlined Workflow* • Faster Autocollage now includes "add all" image option. • Center on page in 2-page spread will center to left or right side page. • Last-selected frame used as reference frame for Alignment tools. • Grouped dotScrap items can be copied/pasted. *FIXED BUGS Network/External Drives* • Issues with used checkmarks on images from external hard drives resolved. • Images on networked mapped drives

are not copied locally. *Workflow* • Images edited in external editor now refresh correctly. • Image attributes can be changed in an empty frame. • Frame numbers remain constant between sessions. • Frame handle hit testing fixed. • Multi-selected frames now stay selected as expected. • Matte cutter mattes file names displayed correctly. • EMF, PNG mattes functionality repaired.• Edited PNG image files update as expected. • Page thumbnail refresh issues resolved. • BMP files save, reopen as expected. • Text size unaffected by copy/paste, canvas resize. • Pinned Toolbox bugs resolved. • AutoPopulate works with images selected in Image hover. • Ungrouped "Child" frames are selectable in tree. • Canvas grid cannot be set to 0x0. • "Apply to all pages" now reset on reloading canvas dialog. • Font licensing information appears when required. • Check for updates returning correct build information. • Undo AutoCollage no longer removes background image. • Hovers can now move to second monitor. • Dual monitor to single monitor setup does not leave hovers orphaned. • Tutorial video ? icon replaced with clapboard icon. • 20x10 and 24x12 presets set to be double spreads. • No double scroll bars in Embellishments hover. • Images in Smart Frame will "undo". *Render / Output* • Waiting for download at render error resolved. • Render preview can be panned. • Exported files only use lower case file names. *Archive / Restore / Project Management* • "Locate missing images" applies to duplicates of images. • "Locate missing images" cancel shuts down the search. • "Locate missing images" includes mattes. • "Locate missing images" updates every page simultaneously. • Marketplace-based projects are moved to Backup Projects. • Recently opened projects list removed from file menu. • Un-installation removes more info from system. *Marketplace* • Smart frames behave as expected when canvas size changed.•dotScrap purchasing issues resolved (UK users, "anon" logins) • Issue with Download Accelerator Pro resolved. *(Released January 26, 2008)*

Version 4.1 (build 43992) *Features* Easier, faster, and friendlier than ever – without watering down the power • FotoFusion's completely redesigned user interface reflects months of user feedback and refinement.• Zoom-to-open hovers bring tools and content to your work • Floating controls can be pinned up or docked neatly against the canvas • A new Start Zone gets you up and running fast *New Tools* • An all-new matte cutting tool added (Enhanced, Extreme only) • Frame alignment, distribution, and size matching tools per your requests *Vastly more powerful text editing* • Inter-character tracking and Inter-line spacing now supported • Adjustable underlining and strikeout available • Support for Opentype and Postscript fonts is standard • Discretionary and Historical Ligature support (*Extreme only)* Continuing Refinement of Existing tools • Tools brought closer than ever (Autocollage, AutoPopulate on Images Hover – greatly expanded toolbox) • Rule of Thirds assist during cropping • Rotation control added to AutoJumble • Canvas size attributes can be applied across all project pages in one click Help and Expanded Language Support • Bite-sized video tutorials at your fingertips • German, French, Spanish, Korean, and Japanese versions now available Redesigned Data Management • Saved projects now have no dependencies on the central database; renaming, copying and deleting projects now handled as regular Windows files • Create "All-in-one" archives including source images • A list of all images used in a project can be exported to a text file Delivering Content To You • The promise of the dotScrap library is being fulfilled with more top-notch content, including contact sheets, albums, and basic templates. • Content is easier to find and use than ever before. Business Development • FotoFusion "Lite" is now available for bundling with your albums, cameras, printers, and software.

Fixed Bugs: • Fonts existing in Windows font folder as shortcuts now supported • Bold and italic text simulated when no font file is available • Exif tag editing information updated • High-res download of content on server • Memory leaks for V3 projects resolved • Memory leaks for V4 export resolved • Single database in charge of library queues • Project database now resaved after rbuild • AutoJumble does not resize frames • V3 project with locked text will open correctly in V4 • Undo image applied to canvas frame now works • Windows 2000 now supported • Save As… will not allow same name as existing file • Left-side windows can no longer be reduced to 1 pixel in width • V3 pixpacs will now open in V4 • V3 template compatibility issues with V4 resolved • multi-page "save page as template" restored *(Released November 8, 2007)*

Version 4.0 (build 40187) *New Features:* • Text frames can now be converted to mattes One-click 'overlay frame ID' mechanism to layout print/email/export for proofing added • Grid-line canvas option added • Added presets for albums from Hahnemuhle, Shared Ink, Asukabook • Download "smarter" with higher priority on visible search results • Transition to Amazon S3 shared storage • Branding and 'run as' button added to main toolbar

Fixed Bugs: • Canvas units (cm/inches) preference now remembered after save/reload • Checkmark indicators are now preserved with project save/load • Frame IDs now remain the same after a save/quit/restart/reload cycle (enables proofing with frame IDs)• Original file name used to attached images when published • "Clear Search" now clears fields in Keyword Search • Gaps no longer appear in font list • Text no longer becomes italic (or bold) if you scroll through the list of fonts with the up/down arrows • Autocollage sort order now respected when populating from dropper • Crop to trim lines now working as expected • Scraps that appear blurry when rendered now sharp • Re-AutoCollage performance dramatically improved • Crash on startup resolved *(Released June 2, 2007)*

Version 4.0 (Build 39809) *New Features*: · User-created content can be deleted from the organizer · Location of database installation can be specified manually · Database split into user metadata vs. recreatable caches · New themes for emails and published pages available · New noise mattes (search for type=matte) · Library can be filtered by keyword · HTML themes can determine rendering resolution · Graphical enhancement to UI

Selected Fixed Bugs: · Offline rendering works again · Email UI reworked · Crop to trim not displaying images outside canvas · Menus reworked to include data management and other changes · Editors now always open completely on-screen, even on dual monitor system · Videos display better in the Home zone · Images in dropper now taken into account when performing an AutoCollage · Frames can be deleted from School Composite when running Enhanced · Tutorial is working again (Released May 17, 2007)

Version 4.0 (Build 39446) *Features:* Project archive and restore · Distressed text (mattes can be applied to text) · Multi-page projects can be sent by email · Multi-page projects can be published to the web · Multi-monitor support - hovers react correctly outside primary display · Canvas presets can specify default processing DPI · 'Welcome' page completely revamped · Reference segment rendering now much faster · Free Localization / translation pipeline for people that want to translate FotoFusion *Selected Fixed Bugs*: · Various crashes have been resolved DRM errors after going offline now fixed · "Photo Database Error" on startup should appear infrequently, if ever · Frame handle hit testing fixed · Unresponsive Zoom Slider fixed · ctrl-= was not copying shadow setting correctly · pages hover now appears as expected in export tab for multi-page project · AutoPopulate now sorting correctly on first page · Background now renders correctly on large output · "Learning Guide" is working again · Alt-tab list now shows FF during rendering · Menus restructured for clarity (Released May 2, 2007)

Version 4.0 (Build 38041) Addressed many issues, including: · Mosaic Split is not working properly ·Undo for mattes doesn't work ·Matte function corrupt, results in error when uninstalling V4 ·Dupe a frame after matte to border gives a frame with matte ·Feedback: Ctrl-= changes lost after save/reload ·Canvas texture does not work all the time ·Opening v4 clobbers v3 email ·None" tile from tile list does nothing · Font undo didn't work (Released March 5, 2007)

Version 4.0 (Build 38006) The main focus of this build was stability: many, many bugs were fixed Persist buckets with project save · Edit in Photoshop should work on original image, not a copy · Add keyboard commands: new frame (ins), new page (Ctrl-ins), clone of new page (Ctrl-shift-ins) · 2xclick on image in organizer should preview it · Number keys should drop photos into buckets while previewing · Selection should follow currently viewed image in the photo viewer (Released March 3, 2007)

Version 4.0 (Build 37954) addressed many issues, including: ·PDF export is wrong dpi · Copy v3 templates to v4 folder ·V3 projects on external drive not seen by V4 ·Trial expired error appearing · Slow startup when too many fonts in fonts folder ·Don't ping server when rendering items without dotScrap content · Album Manufacturers templates are not visible in V4 · Continuous LP5 and DRM errors · 'FF couldn't load one or more images' after saving a project · Render Issue - empty pixel at the bottom and right of a rendered collage · Norton / firewall / offline reconnection problems · Buckets disappear when window resized · Bring back the 'browse for pictures' button · %name %: FF transforms capital letter into lower case · multi-page PSD render causes crash, memory problem · red xs in template browser · v3.X presets don't work in v4 · Long hang when opening certain projects/scraps · Customer has to reactivate on each startup · Multiple page Render doesn't work · Mattes not showing up in matte list · Single pages are split in half when rendering 'double pages separate' (Released March 1, 2007) (for a complete list, see http://www.lumapix.com/forum/forum.asp?FORUM_ID=11)

Version 4.0 Version 4.0 represented a profound re-architecting of FotoFusion, with a completely new database-oriented approach to content which unlocked ecommerce, template publishing and consumption, and partnering opportunities. Much of what made the original FotoFusion user interface so unique was preserved, with the addition of features such as better default handling and a completely revamped organizer responding to user feedback.

Headline features included the following (availability dependent upon license type):*Paper + Digital Templates:* The dotScrap Alliance is a new Scrapbooking industry consortium based around FotoFusion – including K & Company, Creative Imaginations, Daisy D's, Westrim, KI Memories, L'il Davis, Scrapbook.com, ScrapJazz.com, MyCliqueTV, and more. Paper kits found in retail stores that are marked with 'dotScrap Ready' have easily-downloaded FotoFusion templates to make the paper kits even easier to work with. *Smart content:* Work with intelligent graphical objects that act the way you expect: envelopes that hold images, paper clips and pins that hold paper, frames that can be reshaped without stretching, and multi-layer elements. *Integrated online content library:*Search and download from an ever-growing database of elements, templates, and complete projects. *Improved User Interface:* A system of pop-up windows bring searches, image folders, and other image sources to your fingertips. "Starting points" make it easier to begin projects with a particular project type in mind. *PSD and PDF Export:* In addition to JPG, PNG, TIF, BMP and GIF, FotoFusion can now export to multi-page PDF and, if the content contains no downloaded dotScrap content, as layers in a PSD file for further work in Photoshop and other editing tools. *Red Eye Removal:* Easily remove Red-Eye from pictures without relying on external tools. *Default handling:* Changes to frame borders, text attributes, etc can automatically update the default settings, which are applied when new frames and text are created. *Improved Autocollage:* AutoCollages can be ordered by file name, file date, exif date, or randomized. Images can be made to fit a grid, or preserve their original aspect ratios even if this leaves gaps between images.*Organizer:*Find your images faster with a completely rewritten Image Organizer, with support for sorting, keywords, and direct folder access. Rate your images, attach keywords, put them into categories, and search by any criteria. *Grouping:* Select several objects and group them to be manipulated as a unit, with or without direct access to the group members. *Tree View:* Your project can be viewed as a tree structure, allowing you to access partially occluded objects and edit grouped objects with ease. *Page Size Improvements:* Project pages can now be identified as cameo images, two-page spreads, or sides within an album. Sides have asymmetrical gutter/edge/top/bottom control over bleed and safe areas. Album page counts take page types into account. *Color Space Tagging:* If you shoot Adobe RGB, FotoFusion can pass your images through and tag the results as Adobe RGB. The results will look correct when printed and rendered as Adobe RGB images.

Version 4 is launched! Version 4 represents a major revolution, not just for the FotoFusion story, but for digital and paper scrapbooking. Pro Photographers will not be disappointed by multiple new features designed to help improve productivity and output options. Paper + Digital Templates: The dotScrap Alliance is a new Scrapbooking industry consortium based around FotoFusion – including K & Company, Creative Imaginations, Daisy D's, Westrim, KI Memories, L'il Davis, Scrapbook.com, ScrapJazz.com, MyCliqueTV, and more. Paper kits found in retail stores that are marked with 'dotScrap Ready' have easily-downloaded FotoFusion templates to make the paper kits even

easier to work with.
Smart content: Work with intelligent graphical objects that act the way you expect: envelopes that hold images, paper clips and pins that hold paper, frames that can be reshaped without stretching, and multi-layer elements that age and add realism to your photos. Integrated online content library: Search and download from an ever-growing database of elements, templates, and complete projects - for everyone from scrapbookers all the way up to professional photography studios. Improved UI: A system of pop-up windows bring searches, image folders, and other image sources to your fingertips. “Starting points” make it easier to begin projects with a particular project type or form factor in mind.
Red-Eye Removal: Easily remove Red-Eye from pictures without relying on external tools.
Cease of support for direct source-image composition uploading to color labs. The free trial of FotoFusion v3included the ability to upload source images and compositions to pro color labs for output. Support for this feature ended on March 1, 2007. This change does not affect any FotoFusion users except those already making use of the feature; users that print their own output, render flat files for use in other programs, or upload images to print bureaus using other tools are not affected by this change. LumaPix regrets any inconvenience caused by this change. Feedback sent to support(at)LumaPix(dot)com will be carefully considered.

Version 3.7 *(build 35975)* Final Version 3 build issued. Color Correction Quality: Color Correction is applied before conversions to B&W. *(Released December 9, 2006)*
Version 3.7 *(build 29421) fixes a minor bug* Blur Quality: Highly-blurred images now exhibit less aliasing (*Released March 11, 2006*)
Version 3.7 (build 28175) has three significant changes: Features: Color profiles can be set on processed output (STUDIO only) Free Trial functionality: Emails can be sent without watermarks from trial version Compositions can be sent to participating labs for processing from trial version (*Released January 18, 2006*)
Version 3.6 (build 27059) Features o Polaroid matte added. o Improved text rendering quality. Fixed Bugs o Instability caused by Matrox PowerDesk fixed. (Released December 2, 2005)
Version 3.6 (build 26688) Fixed Bugs o Certain text fonts were not properly sized. o Default file type when importing images was incorrect. o Minor issue when printing certain sized projects. (released November 17, 2005)
Version 3.6 (build 26468) Features o Images used in current project now highlighted in organizer. o Added new 2006 Calendar mattes. o Text frames can be hyperlinks. o Info bar displayed while dropping images.
Fixed Bugs o Quality of canvas image during editing improved. o Sepiatone color improved to match customer feedback. o EMF/WMF added to list of file types shown while browsing. o Acting on images in organizer switches to "Images" tab. (released November 8, 2005)
Version 3.5 Version 3.5 marked the renaming of our top-end product from "PRINT" to "STUDIO", reflecting this version's focus on Professional photographers: studios producing albums and large-format output, who can benefit from direct connectivity to professional printing labs providing managed color pipelines. Features o Direct uploading to participating Pro Photo Labs [STUDIO only]. o Preview window in the organizer can be resized. o Canvas width is no longer rounded to two decimal places. o Added option to remove LZW compression from TIF output. o Printer color profile support added to STANDARD and PRO. Performance o Many speed and memory usage improvements Fixed Bugs o Color editing now behaves correctly with multi-selected text o Multi-page render can now be stopped o Page name now refreshes properly after renaming o Page segments now removed when user changes printer settings o Spikes in fonts no longer appear when increasing the thickness of text outlines.
Version 3.4 Version 3.4 is a maintenance update that includes the following: ·Features o Double-width layouts now count for 2 pages o Rulers support metric and pixel dimensions o Frame number on canvas tile shown if source image is not found · Performance o Accelerated feedback when using EXIF information on remote hard drive Fixed Bugs o Several crashes fixed o Loading an old project with flipped images no long causes issues at render time o Appending a project no longer changes the name of the current project o Problem with missing DLL fixed o Leading spaces in text no longer ignored o Dragging out a new frame while the dropper is active works again o Web links for images in exported collages work again o Closing FotoFusion after AutoCollage wizard doesn't prompt for save o Editors do not open off-screen o Forward, back, refresh, stop buttons in community tab once again consistent with other browsers
Version 3.3 The following new features are available in FotoFusion PRINT v3.3: · Support for multiple pages oAn entire multi-page album can now be created as a single project o Autocollage can now create a multi-page album automatically o Batch Processing of all pages in a multi-page album to JPEG files is now supported · Custom EXIF tags o Custom EXIF tags can be used for complex frame label The following new features are available in FotoFusion PRO and PRINT v3.3: ·Midpoint Guide o Panoramic canvases include a center guide line for avoiding album seams The following new features are available in all versions of FotoFusion v3.3: ·AutoPopulate o An entire template can now be filled with images in a single click · Rotation Snapping o Holding down the 'alt' key while rotating now snaps to increments of 45 degrees. · Image Flipping o Images can be now be flipped left/right and top/bottom. Settings Area o You can now choose to work in floating toolboxes or a new docked Settings Area. · Try It First o The various versions of FotoFusion (STANDARD, PRO and PRINT) can now be tested prior to buying · Centralized Help o A single starting point for help now provides a one-stop help desk.
Version 3.2 Version 3.2 added a few minor features:·Reconnecting Images o If you move the source images for a composition to a new location on your hard drive, you can now reconnect them to the layout. · Greyscale Mattes o Greyscale jpeg, bmp, gif or tif files saved in the Mattes folder can be used as mattes (black becomes transparent). Of course PNG files with associated alpha/transparency channels, and EMF files for vector mattes, continue to work as always. · Filenames in Organizer o Images in the organizer now have a filename for identification
Version 3.1 Version 3.1 was a maintenance release, which included many small enhancements and fixes including the following: · FotoScraps Integration o Layouts can be uploaded directly to the online gallery at www.fotoscraps.com. · Printing o The printing options were completely revamped to be easier to understand o Scaling output to fit onto a single page is now an option · Color Picker o A color picker was the most frequently-requested feature addition on the support forum at LumaPix.com! ·Sparse Autocollage and background images o AutoCollages can now include 'gaps' that reveal an image set as the canvas background · Color Shadows o Shadow colors can now be set to any value · EXIF enhancements o New EXIF tags were added, including filenames without extension (e.g. "Anna" instead of "Anna.jpg") o Filenames now preserve their case when displayed as EXIF text Common sense o When processing to a file, the default file name now corresponds to the project name o The file name is not cleared after each preview when working in the process tab o Frames that hang off the canvas edge are drawn with a border to make them easy to find o Cropping is preserved when images are swapped between two frames, or AutoCollage is pressed again. o Double clicking on a text frame nowopens the text editor · Minor issues o The canvas no longer allows the user to resize it inside-out o The canvas tile can be set at all times oBad refreshes when panning very large collages have been fixed o The color in email backgrounds now matches that in the create tab oThe edges on images drawn without borders are now smooth instead of jagged o The color editor text edit fields behave predictably o Thumbnails for PNG frames now appear correctly when dragged to the canvas o Splitters are now "below" all other handle
Version 3.0 Version 3.0 was a massive upgrade, with two models (STANDARD and PRO) and the most radical changes to the user interface since the first version. The PRO version included all the following features; the standard version includes a subset: Text o Amazing interactive text manipulation o All truetype fonts supported o Control over blur, edge & fill transparency, rotation, and more o EXIF tags for building contact sheets o Rendered at export time (text is razor-sharp at poster size) Frame Enhancements o Customizable, vector-based frame mattes for jagged edges o Sepiatone and black&white image processing o Interactive per-image blur o Within-frame image rotation o Support for presets Canvas Enhancements o Tiled background textures with interactive control over scale & blur o One click to make an image the canvas background o Support for lockable and semi-transparent layers o Bleed and crop lines o Interactive canvas resizing · Sharing o User templates for html export (CSS styles, new buttons, frames, etc). o Customizable banners o Customizable watermarks · User Interface o Completely new editing mechanism - Direct manipulation of important parameters at top level o Slick new editor-based workflow o Editing is interactive real time, all the t o Selection by class for fast group selection o Keyboard-based nudging Interop Images on the web (such as those in Kodak ProShots? galleries) can be included directly in FotoFusion collages without an import step. o Images can be routed through other applications (such as Adobe Photoshop?) for editing; the updated files appear automatically in the collage when done.

Version 2.1 Version 2.1 was a maintenance version, mostly consisting of bug fixes but with the following visible enhancements: o Sharpen on export: A pro trick to bring out crisp detail in your images oHandles always on top: Easy access to manipulation controls no matter how complex your collage is o Improved Shadows: FotoFusion's shadows look even better! o Support for SMTP Servers requiring authentication: FotoFusion can now communicate with mail servers using higher levels of security
Version 2.0 Version 2.0 was another huge step forwards from version 1.1: One-click AutoCollage: Produce amazing results effortlessly o Drop Shadows and Frame borders: Set the thickness, color and transparency for borders o Interactive Color Correction: Fix gamma, brightness and contrast problems smoothly and intuitively o Final Resolution Preview: Preview of the final results at full resolution at any time o Fast Photo Swapping: Switch pairs of images fast! o Improved Printing: Margins can be set directly o Completely Revamped UI: Gorgeous new look o Previewing tool: Zoom in on pictures in the image palette, image organizer, AutoCollage wizard and the collage itself o Pixel-dimension collages supported: Web Designers can work 'natively' at the final resolution o

Version 1.1 Version 1.1 provided significant upgrades to the output options in version 1.0, including: Comprehensive support for sharing collages by e-mail: Collages embedded directly inside the e-mail message rather than as an attachment. o Original photos can be attached (automatically resized and compressed) o Completely new tool sets: Ability to publish collages as HTML web pages, Integrated FTP client to upload collages directly to a web server (can also save collages as a set of local HTML files for further editing using FrontPage or Dreamweaver), Descriptive text for each photo which appears in e-mail or web page output; Hyperlinks from each collage photo, enabling viewers of e-mail or web-based collages to click on photos and follow links. o Improved printing support: Unique print pre-visualization tool shows exactly what each page of a multi-page poster-size printout will look like.

CREDITS & DEDICATION

This software is dedicated to our spouses for their unfailing support and enthusiasm. Thank you for making this possible.
We hope you enjoy using this application as much as we enjoyed building it.

Images in the user's manual kindly provided by: David Ziser, Kent Smith, Stephen Eastwood, Richard Esposito and the LumaPix Staff.

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